### AECOM

# Proposal for Engineering and Related Services **IDIQ Contracts for Roadway Design Services Statewide**

Contract 4400024927 AND 4400024928



Submitted to: Louisiana Department of Transporation and Development

Submitted by: **AECOM Technical Services, Inc.** 

Delivering a better world



AECOM Technical Services, Inc. 8555 United Plaza Boulevard, Suite 300 Baton Rouge, LA 70809 303-941-4962

Louisiana Department of Transportation and Development (LADOTD) Attn: Mr. Mark Chenevert, PE, Contract Services Administrator 1201 Capitol Access Road, Room 405-E Baton Rouge, LA 70802

October 4, 2022

#### RE: IDIQ CONTRACTS FOR ROADWAY DESIGN SERVICES, CONTRACT NOS. 4400024927 AND 4400024928

Dear Project Evaluation Team:

With the recent passage of IIJA/BIL, LADOTD will be allocated \$6 billion over the next 5 years for transportation funding. This additional funding along with funding from the American Rescue Plan and other innovative financing measures and surplus funds has allowed LADOTD to increase its budget size over the next several years providing the opportunity to complete needed and overdue road improvements. The needs are great and the time to perform the work is critically short. With this in mind, LADOTD need to engage a full-service and experienced team with proven capability and a flexible approach to help maximize the value of these transportation assets. AECOM is that Team! We are ideally positioned to partner with LADOTD Road Design Section to support this program.

In response to this RFP and LADOTD's ongoing needs for road and traffic design support, AECOM offers the following benefits:

**Full Service & Experienced Team –** AECOM and its subconsultant partners, Forte & Tablada, Inc. and Civil Design & Construction, Inc., provide a full-service team, providing staff that can support all services outlined in the RFP. We offer our expert and experienced resources and a design team that can provide a deep, multi-disciplinary approach to these IDIQ task order projects. We have delivered similar type projects using both traditional and alternative delivery methods tailored to each specific task order.

**Proven Capability –** We have assembled a robust team of local engineers and surveyors that have worked successfully on LADOTD projects for many years. Some of these team members were employed by LADOTD at some point in their career.

**Flexible & Responsive –** The AECOM Team offers a project-focused staffing approach that matches our key staff and subconsultant partners to LADOTD's task order needs. Our commitment to project delivery, design efficiencies, and staff development is reflected throughout each IDIQ task order.

AECOM has been successfully operating in Louisiana for nearly a half century providing transportation design services and has a long-standing relationship with LADOTD. AECOM has nearly 200 employees in Louisiana between our Baton Rouge and New Orleans offices including Roadway, Bridge and Traffic Engineers as well as Planning and Environmental Professionals. Our local transportation staff is well integrated with our regional and national transportation professionals and experts successfully working together to complete various types of road design and transportation projects through the region and nationally.

As Contract and Project Manager, I will be the Point of Contact for this contract, I current serve as the Surface Transportation Leader for Louisiana, Mississippi, and Arkansas. I have over 22 years in road design and site design of transportation infrastructure and stand ready to assist the LADOTD Road Design section to deliver its improvements program.

The AECOM Team is committed to delivering a quality design to LADOTD while successfully meeting the contract requirements with the intent to exceed the expectations of LADOTD. If you have any questions, please contact me directly ay 504-450-9904 or via email at **Jonathan.mcdowell@aecom. com.** 

Sincerely, AECOM Technical Services, Inc.

Jouth D Mo Dell

Jonathan G. McDowell, PE Contract/Project Manager Associate Vice President

Daniel Helms, PE, PTOE, RSP<sub>21</sub> Authorized Signatory



## **DOTD FORM: 24-102**

#### **PROPOSAL TO PROVIDE CONSULTANT SERVICES**

Prime consultant shall complete the DOTD Form 24-102 without altering the Form's text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.

ANY CONSULTANT FAILING TO SUBMIT ANY OF THE INFORMATION REQUIRED ON THE DOTD FORM 24-102, OR PROVIDING INACCURATE INFORMATION ON THE DOTD FORM 24-102, MAY BE CONSIDERED NON-RESPONSIVE.

Prime consultant should enter the firm name in the footer at the bottom of this page. (It will carry over to subsequent pages.)

1. Contract title as shown in the advertisement	IDIQ Contracts for Roadway Design Services Statewide
2. Contract number(s) as shown in the advertisement	Contract Nos. 4400024927, 4400024928
3. State Project Number(s), if shown in the advertisement	N/A
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	AECOM Technical Services, Inc
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	AECOM Technical Services, Inc. (AECOM) LAPELS No. EF.0002331
6. Prime consultant mailing address	8555 United Plaza Blvd., Suite 300 Baton Rouge, LA 70809
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	8555 United Plaza Blvd., Suite 300 Baton Rouge, LA 70809
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Jonathan McDowell, PE Associate Vice President & Principal-in-Charge 225.922.5934 jonathan.mcdowell@aecom.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Daniel Helms, PE, PTOE, RSP <sub>21</sub> Authorized Signatory 225.259.0899 daniel.helms@aecom.com

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.	Signature (shall be the same person as #9): Date: October 4, 2022
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	<u>Firm(s): Firm(s)' %:</u> <u>Civil Design and Construction, LLC (10%)</u>

#### 12. Past Performance Evaluation Discipline Table:

As indicated in the advertisement, insert the completed table here. The percentages for the prime and subconsultants must total 100% for **each past performance evaluation discipline**, as well as the overall total percent of the contract.

Evaluation Discipline(s)	% of Overall Contract	AECOM Technical Services, Inc.	Forte & Tablada, Inc.	Civil Design & Construction, Inc. (DBE)	Totals
Road	75%	60%	40%	0%	100%
Traffic	15%	100%	0%	0%	100%
Survey	10%	0%	0%	100%	100%
Precent of Contract	100%	60%	30%	10%	100%

The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other. The crosswalk from the old categories to the new categories can be found at the link below: <a href="http://wwwsp.dotd.la.gov/Inside\_LADOTD/Divisions/Engineering/CCS/General%20Information/CPPR%20Crosswalk%20to%20New%20">http://wwwsp.dotd.la.gov/Inside\_LADOTD/Divisions/Engineering/CCS/General%20Information/CPPR%20Crosswalk%20to%20New%20</a> Evaluation%20Disciplines.pdf. (same link as in the advertisement)

13. Firm Size:

For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify "Other (xxxx)" and include the classification title inside the parentheses. The DOTD Job Classification(s) to be used can be found at the following link:

http://wwwsp.dotd.la.gov/Inside\_LADOTD/Divisions/Engineering/CCS/Job\_Qualification/Job%20Classifications%20with%20 Descriptions.pdf

Firm Name	DOTD Job Classification	Number of Personnel Committed to this Contract	Total number of personnel available in this DOTD Job Classification (if needed)
	Principal	2	3
	Supervisor - Eng.	8	10
	Supervisor - Other	6	8
AECOM Technical Services Inc.	Engineer	9	16
AECOM Technical Services, Inc.	Engineer Intern	1	10
	Engineer - Other	4	12
	Administrative	2	5
	Senior Technician	3	10
	Administrative		3
	CADD Technician	2	8
	Clerical		4
	Engineer	2	4
	Inspector		3
	Instrument Man		1
Forte <sup>9</sup> Toblada Ina	Party Chief		6
Forte & Tablada, Inc.	Engineer Intern	1	9
	Principal	2	3
	Rodman		11
	Senior Technician	2	3
	Supervisor Eng	2	4
	Supervisor Other	1	2
	Surveyor	1	5

Firm Name	DOTD Job Classification	Number of Personnel Committed to this Contract	Total number of personnel available in this DOTD Job Classification (if needed)
	Supervisor Engineer	1	1
	Engineer Intern	1	1
	Surveyor	2	2
	Party Chief	3	5
Civil Design & Construction, Inc.	Instrument Man	2	3
	Rodman	2	2
	CADD Operator	1	1
	Senior Technician	3	5
	Supervisor - Other	1	1



# Sections 14-16

**AECOM** Siegen Lane (LA 3246) Improvements Baton Rouge, LA

Delivering a better world

#### 14. Organizational Chart



#### Legend:

F&T = Forte & Tablada, Inc.
CDC = Civil Design & Construction, Inc. (DBE)
ATSSA Certified

- TEPR Certified
- ◆ PE Not Registered in LA

15. Minimum Personnel Requirements

Use the table below to identify both prime consultant and sub-consultant staff designated to work on this contract meeting the Minimum Personnel Requirements (MPRs) specified in the advertisement. Ensure the résumé reflects the required experience stated in the MPR.

MPR No.	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license / certification & number	State of license	License / certification expiration date
1	Jonathan McDowell, PE	AECOM Technical Services, Inc.	PE/PE.0030508	LA	03/31/2023
2	Jonathan McDowell, PE	AECOM Technical Services, Inc.	PE/PE.0030508	LA	03/31/2023
2	Jonathan McDowell, PE	AECOM Technical Services, Inc.	PE/PE.0030508	LA	03/31/2023
5	Gregory Trahan, PE	AECOM Technical Services, Inc.	PE/PE.0036041	LA	03/31/2023
4	Ralph Burgess, PLS	Civil Design & Construction, Inc.	PLS/PLS.0005040	LA	09/30/2024
4	Chris Ballard, PLS	Civil Design & Construction, Inc.	PLS/PLS.0005033	LA	09/30/2024
			PE / PE.0042486	LA	09/30/2024
5	Daniel Helms, PE, PTOE, RSP <sub>21</sub>	AECOM Technical Services, Inc.	PTOE / #2820	n/a	04/14/2025
			RSP <sub>21</sub> /#11	n/a	12/09/2022

Firm	AECOM Tech	nical Services, Inc.				
Name	Daniel Helms,	Daniel Helms, PE, PTOE, RSP21 Years of Relevant Experience with this Employer		3		
Title	Traffic Design	Lead		Years of Relevant Experience with Other Employer(s)	19	
Degree(s)/Years/S	pecialization		BSCE/1998/Civil Engineerir MSCE/2003/Civil Engineeri	ng (Transportation)		
Active Registration	Number/State/E>	piration Date	PE 42486 / LA / September PTOE 2820 / April 2025; RSP <sub>21</sub> 11 / December 2022	PE 42486 / LA / September 2024; PTOE 2820 / April 2025; RSP <sub>21</sub> 11 / December 2022		
Year Registered	2018	Discipline	Civil Engineer			
Contract Role(s)/Brief Description of Responsibilities Daniel will provide traffic engineering design and analysis services under this contra- He will lead all traffic signal design. He will also be responsible for any Transportatio Management Plans (TMP) required by the contract. He will also support the Project Manager and other design teams by providing Quality Control.			act. n t			
Experience Dates (mm/yy - mm/yy)	Experience and intersection", etc	qualifications relevant c. Experience dates sh	to the proposed contract; i.e ould cover the time specified	., "designed drainage", "designed girders", "designed I in the applicable MPR(s).		
08/22 – Ongoing	22 – Ongoing US 49 at Oak Lane, Mississippi DOT, Gulfport, Mississippi. Mr. Helms is the Project Manager for a safety design project to implement two (2) directional medians and associated improvements to an urban corridor with safety issues. The project will develop a set of Conceptual, Phase A (Right of Way) and Phase B (Construction) plans. He will coordinate with the design techr lead and design team to ensure they follow MDOT design standards.			to /ill echnical		
07/20 – Ongoing	g Harris County Toll Road Authority (HCTRA) Three Mainline Project, HCTRA, Houston, TX. Mr. Helms is the engineer of record for a signal design project at three signalized intersections, adjacent to the Sam Houston Tollway. Mr. Helms is responsible for the design, develop and summarization of quantities, general notes, and traffic signal notes. Mr. Helms is guiding junior staff in following City of Houston design standards to develop the plans.			f record for f in		
06/20 – Ongoing	6/20 – Ongoing <b>FM 969 Corridor Improvements, Texas Department of Transportation (TxDOT), Austin, TX.</b> Mr. Helms is the engineer of record for a signal design project for an isolated traffic signal, along an urban corridor in Austin, Texas. He is responsible for the design, development and summarization of quantities, general notes, traffic signal notes and works with junior staff and staff of the prime consultant, to coordinate traffic signal improvements.			of the aff of		
05/20-Ongoing	ngoing <b>FM 518 Corridor Improvements, TxDOT, League City, TX.</b> Engineer of record for a signal design project for a series of traffic signals on a major urban corridor in League City, Texas. The project involved upgrading three traffic signals, including implementing a temporary signal. Daniel made design adjustments to eliminate the need for additional temporary signals. He is responsible for the design, development and summarization of quantities, general notes, traffic signal notes, and the engineer's estimate of probable cost. Daniel works with junior staff, along with staff of the prime consultant, to coordinate traffic signal improvements.			) He is eer's I		

05/20 – 08/20	<b>FM 2090 at Tram Road, TxDOT, Splendora, TX.</b> Mr. Helms was the engineer of record for a signal design project at an isolated intersection in the Houston Metropolitan area. Mr. Helms was responsible for the design, development and summarizing of quantities, general notes, traffic signal notes, and the engineer's estimate of probable cost. Mr. Helms worked with junior staff, along with staff of the prime consultant, to meet the tight budget and schedule of this project.
06/19 – 01/20	I-59 Rubblization Project, Mississippi DOT (MDOT), Forrest and Jones Counties, MS. As the Project Manager, Mr. Helms was a key link between the project design team and the staff with MDOT. He provided insight and guidance into the design and plan requirements, along with assisting in the project management responsibilities (financial tracking, required deliverables). The project required the development of a complex traffic control plan to allow for two northbound lanes during construction to accommodate contraflow for hurricane evacuation.
02/19 - 01/20	Barksdale Interchange Design-Build, Louisiana Department of Transportation and Development (LADOTD), Bossier City, Louisiana. This design-build project constructed a new controlled access roadway, connecting at the I-20, I-220 interchange in northwest Louisiana. Mr. Helms was responsible for: the development of the signing plans, including overhead and ground mounted signs, detour plan development of and providing quality control for the project's IMR and the Transportation Management Plan (TMP). The project required coordination and collaboration with state, federal and military stakeholders.
02/18 - 01/20	<b>Interstate 20 Transportation Management Plan and Travel Assessment, LADOTD, Bossier and Caddo Parishes.</b> Mr. Helms led the development of a mesoscopic model and Transportation Management Plan (TMP). Mr. Helms was responsible for the development of a Level 4 TMP of the I-20 corridor. The elements of the TMP required the review of alternate routes through the development of a mesoscopic simulation model, public information strategies, stakeholder involvement, ITS implementation, queuing analysis, and crash analysis. The TMP analyzed the impacts to the road networks of Shreveport and Bossier City, Louisiana, for an interstate pavement rehabilitation project.
06/07 – 12/17	<b>Traffic Safety Engineering Manager, MDOT.</b> Mr. Helms was the day to day manager of the traffic safety engineering program. He performed site review, crash data analysis, benefit-to-cost analysis, countermeasure development and selection, design contract scope development and contract review, and design project management, including design and plan review. He managed several traffic signal projects, which included the crash data analysis, countermeasure selection, design, benefit-to-cost analysis, and traffic signal analysis, including signal timings, warrant analysis, capacity analysis, etc.
10/04 – 05/07	<b>Roadway Design Engineer. MDOT.</b> Mr. Helms was a design team member, promoted to a design team leader, during his time with the Roadway Design Division with MDOT. He worked on several design projects during his time with the Division, ranging from bridge replacements to major roadway widening. He was responsible for knowledge of and implementation of AASHTO and MDOT Design Guidelines, participating and Field Inspection and Office Review meetings, and developing, reviewing, and finalizing final right of way (Phase A) and construction (Phase B) plans.

Firm	AECOM	AECOM Technical Services, Inc.			
Name	Jonatha	n McDowell, PE		Years of Relevant Experience with this Employer	16
Title	Project N	Manager and Principal-	-in-Charge	Years of Relevant Experience with Other Employer(s)	6
Degree(s)/Years/S	pecialization		BS/1996/Civil Engineering		
Active Registration	Number/Stat	e/Expiration Date	PE.0030508/LA/3.31.23 Additional active licenses in MS	, AR, TX	
Year Registered	2003	Discipline	Civil Engineering		
Contract Role(s)/Bi	/Brief Description of Responsibilities Jonathan will provide project management, road design services, quality plans review a construction support under this contract. He will lead all the road design services durin environmental process. He will also lead the quality plans review and construction support under the contract.		and Ig port as		
Experience Dates (mm/yy - mm/yy)	Experience intersection	and qualifications relev ", etc. Experience date	vant to the proposed contract; i.e s should cover the time specified	., "designed drainage", "designed girders", "designed I in the applicable MPR(s).	
10/20-Ongoing <b>City of Baton Rouge/Parish of East Baton Rouge, College Drive Improvements (Perkins Road to Bawell), Baton Roug</b> Project Manager and Task Manager for the Urban Road Design and Complete Streets improvements to College Drive. The p include a Design Study to develop a corridor and street network plan that includes potential connecting side road improven access management solutions, and other improvements along College Drive and the I-10 ramps to provide congestion relie improve driver and pedestrian safety. The selected alternative will move to preliminary and final design.		<b>ge, LA.</b> project ments, ief and			
09/17-Ongoing	ing <b>Coastal Protection and Restoration Authority, Station Project No. BA-0153: Mid Barataria Sediment Diversion,</b> <b>Plaquemines Parish, LA.</b> Task manager and lead engineer for the relocation of LA 23 and the NOGC Railroad tracks across the proposed sediment diversion. Performed QC review of the traffic report and participated in the environmental and public involvement tasks. The rail improvements extend the track across the diversion channel intake structure, which will feature a bridge with a moveable span for canal maintenance and about 10,000 feet of new railroad track. The highway improvements wi include a 2,300-foot-long structure composed of precast and cast in place concrete elements that will carry two lanes in each direction with shoulders and two water mains to be hung under the bridge deck. Roadway improvements include access roads each side of the bridge to maintain adjacent property access and relocated alignments of the rural divided highway to connect the existing highway to the new bridge structure.		s a ts will ach bads on nect		
07/15-Ongoing	15-Ongoing LADOTD (H.004273), I-49 Connector, Lafayette Regional Airport to I-10/I-49/US 167 Interchange, Lafayette Parish, LA. Project Manager, Leadership Team Member, and Railroad Coordination and Alignment Modifications Task Manager for the NEPA Supplemental EIS and Design of a 5-mile urban freeway corridor. The project includes a very elaborate Context Sensitic Solutions process that is occurring concurrently with the environmental process. The project includes a signature bridge, and urban master plan for local road and frontage road connections, implementation strategies and potential modifications to an adjacent railroad track including the replacement of up to three at-grade crossings with underpasses and possible modifications to an Amtrak station platform. Other rail modifications include replacing at grade crossing with highway overpasses. In additi Jonathan will also perform tasks associated with highway geometrics, highway traffic, and environmental and public involver tasks.		, the sitive an an sations lition, rement		

02/07-11/09	City of Baton Rouge/Parish of East Baton Rouge, Siegen Lane (LA 3246) Improvements (Highland Road to Perkins Road), Baton Rouge, LA. Project Manager and Task Manager for the design of corridor improvements to Siegen Lane to upgrade the two lane suburban road to a four lane urban boulevard. Performed road geometrics, develop suggested sequence of construction plans, and reviewed the drainage plans and calculations. Managed and authored the design study which included an alignment analysis, preliminary drainage design, a Phase I Environmental Site Assessment, a wetland study, and a noise study.
11/10-10/16	<b>New Orleans Regional Transit Authority, Loyola/Rampart Streetcar Rail Expansion, New Orleans LA.</b> Project Manager and Infrastructure Task Leader to prepare two sets of contract plans and specifications on an accelerated schedule to reconfigure the streetscape to include streetcar tracks in a shared traffic lane. Designed the roadway typical section in accordance with the City of New Orleans Complete Streets Ordinance. Led utility coordination effort and test hole program to locate all underground utilities to resolve utility conflicts. Led the road design, MOT during construction. Performed construction support services.
05/13-07/15	LADOTD (H.001779), Red River Bridge at Jimmie Davis Highway (LA 511) Environmental Assessment, Bossier and Caddo Parishes, LA. Lead roadway design engineer to design geometric layout alternatives to improve the capacity and accommodate pedestrian and bicycle access for the bridge crossing of the Red River along Jimmie Davis Highway. Tasks included the development of the purpose and need statement, the project design criteria, and the geometric alternatives of the bridge, interchange ramps on each side of the bridge, and roadway approaches. Developed a median U-turn concept for LA 511.
11/04-12/17	<b>LADOTD (State Highway Project No. 700-92-0016), Florida Avenue Bridge over IHNC, New Orleans, LA.</b> Deputy Project Manager and Project Engineer responsible for the geometric design of a high-level bridge with 158 ft vertical clearance and associated interchange ramps and approach roadways. Coordinated with utility companies and railroad agency for proposed relocations of a 48" water main, a 54" sewer force main, a 72" sewer force main, an electrical duct bank, a temporary railroad relocation, and several other utilities that were affected by the construction of the bridge. Proposed modifications to the site layout and parking area for an operator house associated with the existing adjacent draw bridge and a drainage pump station located under the proposed bridge. Prepared cost estimates for the main span and approach bid packages. Assisted in PM duties.
06/15-Ongoing	LADOTD State Project No. H.004367.5: Route LA 3139, Earhart Expressway Extension to US 61, Jefferson Parish, LA. Task Manager and Lead Roadway Engineer for the extension of the Earhart Expressway (LA 3139) onto Airline Drive (US 61). Developed urban highway geometric alternatives to accept the expressway extension into the Airline Drive Corridor. Alternatives considered the lane configuration, location of direct and indirect median openings, location and potential phasing of traffic signals, pedestrian movement within the corridor, bus stop locations, utility impacts, access management, and ability to drop lanes along the corridor in order to transition back to the current lane configuration at the west end of the project. Reviewed traffic report and participation in the environmental and public involvement tasks.

Firm	AECOM Technical Services, Inc.				
Name	Greg Trahan, PE		Years of Relevant Experience with this Employer	16	
Title	Road Design Engineer		Years of Relevant Experience with Other Employer(s)	1	
Degree(s)/Years/Sp	ecialization	BS/2005/Civil Engineering			
Active Registration	Number/State/Expiration Date	PE.0036041/LA/03.31.23	PE.0036041/LA/03.31.23		
Year Registered	2011 Discipline	Civil Engineer			
Other Training		Highway Safety Manual Worksh Supervisor/Flagger; 2016 ATSS & Installation; LA DOTD Traffic F Certified–Traffic Control Superv	hop; 2015 ATSSA Certified–Traffic Control Technician/ SA Certified–High Friction Surface Treatment Inspection Process and Report Parts 1,2, and 3 (2018), 2019 ATSSA visor Refresher		
Contract Role(s)/Brief Description of Responsibilities Greg will provide road design services, quality plan reviews, construction support under this contract. He will also support the Project Manager and other design teams by provid Quality Control.		r iding			
Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevintersection", etc. Experience date	vant to the proposed contract; i.e s should cover the time specified	e., "designed drainage", "designed girders", "designed d in the applicable MPR(s).		
09/17 - Ongoing	<b>Coastal Protection and Restora</b> Project Engineer that assisted in the project consists of a new concrete Design Plans include Plan and Pro- multiple construction activities be to manage traffic and maintain roa	tion Authority, LA 23 Over Mid- ne Design Plans for the new bridge precast girder bridge, approxim file sheets, Drainage Plan and Pro- ing conducted at one time, the se dway operations even if evacuat	Barataria Sediment Diversion, Plaquemines Parish, ge and roadway structure over the new sediment diversi- ately 2,200 feet in length, and the connecting asphalt ro ofile sheets, Sequence of Construction Plans. There will equence of Construction is a critical element of design i ion routes would be required.	<b>LA.</b> on. The adway. be n order	
2014	2014 LADOTD, Krotz Springs Bridge and Business US 90 Bridge In-Depth Bridge Inspection, LA. Project Engineer that assiste in the Maintenance of Traffic Plans for the inspection of the Krotz Springs Bridge and the Business US 90 Bridge. These plans included provisions to detour traffic from the closed portions of the bridge or entrance ramps.		isted ns		
02/07 - 06/10	Baton Rouge Dept. of Public Wo Baton Rouge, LA. Project Enginee to a four lane boulevard. Tasks incl sequence of construction. The dra detention ponds, using a pond mo model was conducted on an existi the existing tail water elevation. The hydraulics program. Prepared qua	rks, Siegen Lane (LA 3246) Imp er that assisted in the design and ude the geometric design of the ainage area encompassed appro- deling program to determine if th ng drainage ditch crossing Siege he sizing and spacing of culverts a ntities and cost estimates for the	provements, Highland Rd. to 650' south of Perkins Rd plan development to widen 1.18-mile segment of Siege roadway, subsurface drainage, and the development of ximately 225 acres. A study was conducted on the multi ne box culvert system would need to be upgraded. A HEC en Lane to ensure that the proposed drainage would not and inlets was determined using the LADOTD HYDRWIN e project.	I., n Lane the ple C-RAS exceed	

05/14-Ongoing	<b>LADOTD, Earhart Expressway Extension to US 61, Jefferson Parish, LA.</b> Project Engineer for the traffic study involving the new extension of the Earhart Expressway a six lane urban freeway, to Airline Drive, a four-lane highway, for a total of ten lanes. The study will include analyzing existing and future conditions along the US 61 (Airline Highway) and LA 3154 (Dickory Avenue). As part of this project Greg is analyzing design alternatives, traffic data collection (speed and vehicular classification) along the corridor, and crash data.
11/04-12/07	<b>LADOTD State Project No. 700-92-0016, Florida Avenue Bridge over IHNC, New Orleans, LA.</b> Assisted in the geometric design of two interchange ramps connecting to Florida Ave. Bridge and two relocated parking areas for two major public installations in the project area. He assisted in the design of girder splices for the steel main span alternative. He also assisted in the preparation of quantity calculations and cost estimates for the steel main span alternative.
05/13-Ongoing	LADOTD, State Project No. H.001779.5 Red River Bridge at Jimmie Davis Highway (LA 511) EA, Bossier and Caddo Parishes, LA. Assisted in preparing a feasibility study to widen the existing crossing of the Red River along Jimmie Davis Bridge and to connect shared use bicycle and pedestrian paths on each side of the river. Task included geometrics study of highway and interchange ramps to produce three feasibility alternatives.
12/1-4/17	<b>LADOTD, Safety Studies Retainer Contract, Low Cost Safety Improvements, Statewide, LA.</b> Project Engineer for the preparation of Safety Improvement Plans (SIP) for 282 systemic curves located throughout the state of Louisiana. The tasks associated with this project include; site visits to the curves, plan preparation of safety countermeasures for each curve, cost estimates for the plan set, and a pre-construction meeting with each DOTD district. Each site visit includes; a ball bank test, photo and an existing conditions documentation of each curve. The plan preparation includes deriving safety countermeasures at each curve location, preparing a letter size plan set of the safety countermeasures, including the Crash Modification Factors (CMFs) within the plan sheet, and preparing cost estimates for the safety countermeasures. After the completing each letter size plan sets, a meeting was held with each District to discuss countermeasures.
2/16-Ongoing	Jefferson Parish Public Works, Mounes St. Drainage Improvements, Jefferson Parish, LA. Project Engineer for the traffic control plans for the construction of the drainage improvements along Mounes Street. Plans included the phasing of traffic to install inground box culverts within the limits of the travel lanes
5/10-9/12	LADOTD State Project No. H.005171.1, I-49 Study to Identify Interim Improvements for Safety & Efficiency, St. Mary Parish, LA. Aided in identifying roadway projects that would provide increased capacity or improved safety along the US 90 corridor. Some of the improvements may upgrade portions of US 90 to interstate standards.
05/1-04/13	LADOTD, LA 935 Feasibility Study, Safety Retainer Contract, Ascension Parish, LA. Project Engineer performed a Stage 0 on a segment of LA 935 from LA 431 to LA 22. Developed a conceptual alternative for the realignment of LA 935, including the typical section, design criteria, plan, and cost estimate. The road paralleling Black Bayou was realigned approximately 20' off the original alignment. This realignment allowed for the road to be widening to 12' lanes and add shoulders to provide a recovery area for drivers. AECOM also performed a cost analysis to ensure the feasibility of a build/no-build condition, minimize required Right- of-Way and/or acquisition of properties.

Firm	AECOM Technical Services, Ir	IC.		
Name	David Wymore, PE		Years of Relevant Experience with this Employer	7
Title	Technical Advisors		Years of Relevant Experience with Other Employer(s)	12
Degree(s)/Years/Sp	pecialization	BS/2002/Civil Engineering		
Active Registration	Number/State/Expiration Date	PE.0043157/LA/3.31.23		
Year Registered	2018 Discipline	Civil Engineering		
Contract Role(s)/Br	ief Description of Responsibilities	David will serve as Roadway/Pla	n Development Technical Advisor.	
Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevintersection", etc. Experience date	vant to the proposed contract; i.e s should cover the time specifiec	., "designed drainage", "designed girders", "designed I in the applicable MPR(s).	
12/18-05/19	S.P. No. H.011670, I-10 to Loyola Roadway Design Manager for a de- connector ramps for traffic flowing design team in review of proposal plan set. Contributed to development	<b>Dr. Interchange (Design Build),</b> sign build proposal to modify the to and from the new passenger plans, proposal narrative, and ATC ent of design build teams propos	<b>Tender Offer, Boh Bros, LADOTD, Jefferson Parish,</b> I-10 interchange at Loyola Drive to provide direct access terminal at Louis Armstrong International Airport. Led Q C evaluations. Checked quantity takeoffs for consistence al narrative.	LA. ss C cy with
01/19-Ongoing	<b>Broadway St. Design-Build for R</b> <b>TX.</b> As Design Manager, oversaw t replacement of the city street. The included a complete street concep improvements. He also managed 6	econstruction of Main Lanes fr he design of 1 miles of city street project consisted of reconstruc- pt, side street parking, multiple ut subconsultants.	rom Houston St. to IH 35, City of San Antonio, San Ar t reconstruction. The reconstruction consisted of a corr ting an existing 4-lane City of San Antonio street. The pr ility relocates, ESA I&II, sidewalks traffic signals, and dra	<b>itonio,</b> iplete roject inage
08/14-12/16	<b>IH-10, PS&amp;E, TxDOT, Sealy, TX.</b> A and frontage road reconstruction. streets, and bridges. The project c proposed 6-lane concrete pavement the horizontal and vertical alignme 11 mechanically stabilized earth (M the existing number of lanes through between the main lane and frontage signing, pavement markings, CTM estimates. He also managed 8 sub-	s Project Manager, David oversau The reconstruction consisted of onsisted of reconstructing an exi ent undivided facility and reconst nts for the main lanes, 2 frontage (ISE) retaining walls. David design ghout construction including a re ge roads were maintained the full S, overhead sign bridges, storm v consultants.	w the design of Segment 1 which is 3.0 miles of main lar a complete replacement of main lanes, frontage road, o isting 4-lane main lane concrete pavement divided facili ructing existing frontage roads on either side. David dev e roads, 9 ramps, 2 cross streets and 4 bridges. He desig ed a traffic control plan which narrowed lanes but maint eversible HOV lane. The existing ingress and egress poir 24 months of construction. Oversaw the removal, drain water pollution prevention plans, bridge specifications a	ie ross ity to a /eloped gned ained nts age, nd cost
12/10-04/12 US 79, PS&E for Reconstruction prepared construction document for 1.4 miles and upgrading the ex develop the horizontal and vertica drainage scheme to accommoda		of Two-Lane Roadway to Four- s for widening an existing 2 lane u sting 2 lane undivided facility to a alignments. The project consiste e the additional impervious area.	<b>Lane Roadway, TxDOT, Houston, TX.</b> As Project Mana ndivided facility to four lanes with a continuous left turn a four-lane divided facility for 2.9 miles. David used Geop ed of widening four existing culverts. He also developed The project required the realignment of two County Roa	ager, lane bak to la new ads.

08/06-06/10	<b>US 290 (Segment 4) PS&amp;E, TxDOT, Houston, TX.</b> As Project Manager, oversaw the design of Segment 4 which is 2.0 miles of main lane and frontage road reconstruction. The reconstruction consisted of a complete replacement of main lanes, frontage road, cross streets, and bridges and reconstructing an existing 8-lane main lane concrete pavement undivided facility to a proposed 10-lane concrete pavement undivided facility and reconstructing existing frontage roads on either side. David developed the horizontal and vertical alignments for the main lanes, 2 frontage roads, 6 ramps, 4 cross streets and 8 bridges. He designed 10 mechanically stabilized earth (MSE) retaining walls, 9 sound walls, and 4 pedestrian block walls. Designed a traffic control plan which narrowed lanes but maintained the existing number of lanes throughout construction including a reversible HOV lane. The existing ingress and egress points between the main lane, frontage road, and HOV were maintained the full 38 months of construction. The project required the design of 3 diamond intersections and 13 high mast lights to be installed.
	Extensive grading was required for constructing 8 bridge header banks, 5 detention ponds totaling 140 acre-ft of storage and raising the existing frontage road up by 3 feet. Oversaw the quantities to include removal, drainage, signing, pavement markings, CTMS, overhead sign bridges, storm water pollution prevention plans, bridge specifications and cost estimates
06/11-02/12	Gaines Road, Widen Intersection and Signal Improvements, Fort Bend County, Houston, TX. As Project Manager, David prepared construction documents for widening the existing intersection along Gaines Road and installing a signalized intersection. David redesigned the existing open ditch to a closed storm sewer.
02/11-06/12	South Mayde Creek, New Construction of Neighborhood Road, TxDOT, Houston, TX. As Project Manager, David performed construction oversight for approximately 9,600 LF of 10-foot wide trail for pedestrian and bicycle use along South Mayde Creek. The trail is located along the north and south banks of the existing Harris County Flood Control District (HCFCD) drainage channel (South Mayde Creek) between Key Hole Lane and Heathergold Drive. A bridge connects the south and north trail segments across South Mayde Creek at Heathergold Drive, and there is one reinforced concrete box crossing and another bridge crossing at two tributary locations.
12/08-02/11	<b>PS&amp;E for Widening of Main Lane and Bridges from Four Lanes to Eight Lanes, Sam Houston Tollway, Houston, TX.</b> As Project Engineer, David prepared construction documents for widening an existing 4 lane undivided facility for 2.8 miles. He used Geopak to develop the horizontal and vertical alignments for ramps with toll booths. He designed five mechanically stabilized earth (MSE) retaining walls. The project consisted of widening two existing bridges. One of the bridges was over Union Pacific Railroad which required rail road exhibits and coordination. He developed a new drainage scheme to accommodate the additional impervious area.
12/08-02/11	<b>CR 257, Reconstruction of Two-Lane Roadway Destroyed by a Hurricane, Brazoria County, Surf Side, TX.</b> As Project Engineer, David prepared construction documents for spot repairs and full roadway reconstruction from damage received by hurricane lke for 9.7 miles. He used Geopak to develop horizontal and vertical alignments and cross sections.

Firm	AECOM Technical Services, Ir	nc.		
Name	Chris McKown, PE		Years of Relevant Experience with this Employer	2
Title	QA/QC Manager		Years of Relevant Experience with Other Employer(s)	7
Degree(s)/Years/Sp	pecialization	MBA / 2019 / Business Administ	tration; BS / 2012 / Civil Engineering (with Structures Mir	nor)
Active Registration	Number/State/Expiration Date	41077 / LA / 03.31.2023		
Year Registered	2019 Discipline	Civil Engineering		
Contract Role(s)/Br	ief Description of Responsibilities	Chris will serve as Roadway Des team members under this contr	sign engineer, He will also help the project Manager and ract.	other
Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevintersection", etc. Experience date	vant to the proposed contract; i.e s should cover the time specified	e., "designed drainage", "designed girders", "designed d in the applicable MPR(s).	
03/20 - Ongoing LADOTD, I-49 Connector, Laf the Mainline Viaduct. Performe Signature Bridge. Performed re conceptual design submittal pa		ette, LA. Design engineer respor eview of the three Mainline Viaduc ws of structural quantities and co ages for highway grade separatio	nsible for advancing preliminary conceptual design plan ct structure type options and the options presented for onceptual cost estimates. Recent submittals included tw ons across BNSF and LDRR tracks.	s for the wo (2)
02/21-Ongoing	<b>El Paso County, South Academy</b> Record for the design of widening a Springs, CO for capacity improven box girders, and steel plate girders the service life of the existing struct accordance with UPRR/BNSF RR G	Blvd over BNSF Rehabilitation and rehabilitation of three separates thents. The widened superstructures the project also includes plans of the project also includes plans of the project of this project and e Separation Guidelines for the	, <b>Colorado Springs, CO.</b> Design Engineer and Engineer ate structures on South Academy Boulevard in Colorado irres will be a mixture of prestressed I-girders, prestresse for scour mitigation and structural rehabilitation to exte ct was coordinating with the BNSF railroad for all submit he steel plate girder bridge.	r of o ed end ttals in
02/20-03/21	<b>TxDOT, I-635 LBJ East, Dallas, T</b> construction of an approximately 1 safety, mobility, and relieve conges prestressed girder bridge and all th	<b>X.</b> Design Engineer for the Qualit 11.2-mile corridor of Highway I-63 stion in the region. Provided indep ne sign structures on the project.	cy Control process on the project. The project's scope is 35 LBJ East from US 75 to IH-30 in Dallas County to imp pendent design checks and plan verifications (QC) for o	s for the prove ne
07/16-01/20	LADOTD, H.003184: I-10: TX State Line East of Coone Gully, Calcasieu Parish, LA. Design Engineer and Engineer on the project to widen approximately 11 miles of I-10 from Vinton, LA to the Texas state line. The project called for the replacement of nine different structures within the project limits. Engineer of Record for various components across span bridges on the project. The structures will be replaced using phased construction.		<b>Icasieu Parish, LA.</b> Design Engineer and Engineer of ReLA to the Texas state line. The project called for the com ngineer of Record for various components across the eighted construction.	ecord nplete ght slab
10/14-08/19	LADOTD, H.002446: LA 40: Tcher replace the LA 40 bridge over the structurally deficient bridge utilizin structure including all substructure	functe River Bridge, Near Folsom Tchefuncte River near Folsom, LA g phased construction. Respons e components. An "as-designed"	A. LA. Engineer of Record and Bridge Design Task Lead to A. The project called for the replacement of the existing sible for the complete design of the new 420' long slab s I load rating of the new structure was also provided.	o ;pan

01/17-12/17	<b>LADOTD, H.012422: I-110: Interchange Modification @ Terrace.</b> Engineer of Record for the exit ramp superstructure on the project to provide a new exit ramp off of Southbound I-110. The project was designed to improve access to an underserved community, eliminate dangerous weaving movements at the I-10/I-110 merge, and to allow modifications to existing exit ramps on future projects. Responsibilities included construction phasing, superstructure design of the steel I-girder exit ramp, plan development, and construction support. The project is complete and open to traffic.
07/15-05/19	<b>LADOTD, H.010009: LA 507: Over I-20 Bridge Rehabilitation, Lincoln Parish, LA.</b> Design Engineer and Engineer of Record for the complete replacement of the bridge superstructure of the LA 507 overpass near Simsboro. The project called for accelerated bridge construction to replace the bridge superstructure and various structural repairs. The bridge was built on site and moved into place over the course or several weekends. Responsibilities include the design of the deck, the steel girders, and the new bearings. Special consideration was given to minimize construction time and any road closures.

Firm	AECOM <sup>-</sup>	AECOM Technical Services, Inc.					
Nam	e Sreeni Bo	ollu, PE		Years of Relevant Experience with this Employer	1		
Title	Task Lead	d - Hydrology Analysis	Design	Years of Relevant Experience with Other Employer(s)	18		
Degree(s)/Years	Specialization		MS/2003/Civil Engineering				
Active Registrati	on Number/Stat	te/Expiration Date	PE.0034330/LA/03.31.23	PE.0034330/LA/03.31.23			
Year Registered	2009	Discipline	Civil Engineer				
Active Registrati	on Number/Stat	te/Expiration Date	26490/TX/03.31.2023				
Year Registered	2017	Discipline	Civil Engineer				
Active Registrati	on Number/Stat	te/Expiration Date	92547/FL/02.28.2023				
Year Registered	2021	Discipline	Civil Engineer				
Contract Role(s)/Brief Description1 of Responsibilities		Sreeni is a civil engineer with over 18 years of experience in all phases of project development from conceptual design to construction management. He is in charge to lead the project to provide all engineering services necessary for the hydraulic analysis and design of drainage features on roadway construction projects.					
Experience Date	es Experience a	and qualifications releva	nt to the proposed contract; i.e., "de	esigned drainage", "designed girders", "designed intersection	on", etc.		
(mm/yy - mm/y	/) Experience (	dates should cover the t	ime specified in the applicable MPI	R(s).			
06/21-Ongoing	Broadmoor constructior full reconstru ramps at all i	<b>Broadmoor Groups D &amp; E (New Orleans Department of Public Works, New Orleans, LA).</b> Project Manager for the development of construction plan sets for reconstruction of multiple roadways in the Broadmoor neighborhood of New Orleans. The project will consist full reconstruction of the roadways, replacement of all drainage and water lines, sidewalk replacement/repairs, and the installation of All ramps at all intersections. The project is currently in final design and will advance through Construction Administration.			nt of onsist of of ADA		
06/21-Ongoing	Milan Group A (New Orleans Department of Public Works, New Orleans, LA). Project Manager for the development of construction plan sets for reconstruction/restoration of multiple roadways in the Milan neighborhood of New Orleans, which is bounded by Napoleon Avenue, Claiborne Avenue, Louisiana Avenue and St. Charles Avenue. The project will consist of milling and overlaying with full depth patching of selected streets, incidental patching of other streets, sidewalk repairs, incidental repairs to drainage structures, and the installation of handicap ramps. The project is currently in Final design and will advance through Construction Administration and Reside Inspection			uction oleon oth ie Resident			
06/21-Ongoing	Jefferson Parish West Bank Program Management, Jefferson Parish, LA. Project Manager assisting with the implementation of the West Bank projects for Jefferson Parish's Road Bond Improvement Program, which includes 70 roadway and bridge projects throughout Jefferson Parish. Mr. Bollu is responsible for the oversite of approximately 10-20 projects, including overseeing the design contractor's work, coordinating review with various Parish Departments, public and private utility companies, and other impacted agencies. Other responsibilities include review of plans and specifications submittal, scheduling, coordination for environmental clearances, right-of-way acquisition support, construction oversight, and project closeout.			n of the ughout ctor's her ·of-way			

06/21-Ongoing	<b>Mid-Barataria Diversion Design, (Coastal Protection and Restoration Authority (CPRA).</b> Project Engineering for the planning, engineering, and design services for the creation of the Mid-Barataria sediment diversion basin to strategically reintroduce sediment and freshwater inputs into the Barataria Basin. Mr. Bollu assisted with detour roadway alignment creation/selection, TTC planning, and roadway plan preparation.
02/20-05/21	Lake Vista Group C and Group E, New Orleans, LA. Project Engineer responsible for the design of concrete roadway re-design and replacement, subsurface drainage improvements, and water main improvements.
02/20-05/21	<b>East Bank Drainage Improvements, St. Charles Parish, LA.</b> Lead Hydraulic Engineer/Project Manager responsible for creating H&H models to evaluate flooding within the existing neighborhood, provide alternate solutions to alleviate flooding and develop a report with recommended solutions with cost estimates for 25yr and 100yr rainfall events for Montz: 1,635 acres drainage basin, Norco: 800 acres drainage basin, New Sarpy: 690 acres drainage basin, Ormond: 1,420 acres drainage basin.
08/12-01/20	West Bank Hurricane Protection Levee System (WBHPL), St. Charles Parish, LA. Project Manager responsible for coordination, preparation of plans and specifications, construction administration and resident inspection. This project is approximately a nine (9) mile levee where the alignment extends from the Sunset Levee District on the western flank to the Davis Pond Guide Levee to the east. This project consists of levees, drainage borrow canals, parallel access roads for levee maintenance, pump stations, tidal exchange structures, and concrete floodwalls (T-Walls) at multiple locations.
08/12-01/20	<b>Upper Barataria Risk Reduction (UBRR), Lafourche Basin Levee District, LA.</b> Project Manager responsible for coordination with the design team and regulatory agencies; design of the segment of the project (Segment 1, 2 4 & 5). The details of the project are: The Upper Barataria Risk Reduction project provides continuous hurricane and storm damage risk reduction from LA Hwy 308 in Lafourche Parish to the Davis Pond Freshwater Diversion West Guide Levee in St. Charles Parish, affording risk reduction benefits for the six parishes in the project area, including Ascension, Assumption, Lafourche, St. Charles, St. James, and St. John the Baptist. The UBRR project includes the construction and enlargement of approximately 33 miles of hurricane risk reduction between LA Hwy 308 on the western end and the Davis Pond Diversion West Guide Levee on the eastern end. The project includes earthen levees, a 270' steel barge swing gate floodgate in Bayou Des Allemonds, a steel roller gate across LA Hwy 306, tidal interchange structures, concrete T-wall floodwalls, and pump station frontal protection.
08/12-01/20	<b>Breaux Ditch Improvements - Jefferson Parish, LA.</b> Project Manager responsible for civil design and preparation of the drawings to replace the existing ditch with 8' wide x 4' deep reinforced concrete flume between East Ames Blvd. and Leo Kerner Pkwy. on the West bank of Jefferson Parish to provide improved maintenance and stability. The total project length is approximately 1500 feet

Firm	AECOM T	echnical Services, Ir	nc.		
Name	Sarah Mc	Ewen, PE, CFM		Years of Relevant Experience with this Employer	5
Title	Hydrology	Analysis and Design		Years of Relevant Experience with Other Employer(s)	9
Degree(s)/Years/Sp	ecialization		BS/2013/Civil Engineering		
Active Registration	Number/Stat	e/Expiration Date	PE.42539/LA/9.30.24		
Year Registered	2018	Discipline	Civil Engineering		
Active Registration	Number/Stat	e/Expiration Date	CFM, US 14-07857		
Year Registered	2015	Discipline	Certified Floodplain Manager Ad	dditional Certification: Bridge Inspector	
Contract Role(s)/Brief Description of Responsibilities		Sarah is the Water Resource Manager of the Jackson, Mississippi AECOM Office. She has extensive experience with managing DOT related projects with respect to Bridge Hydraulics, Scour Evaluations, Internal Technical Reviews, and Roadway Hydraulics. On this projects she will provide engineering services necessary for the hydraulic analysis and design of drainage features on roadway construction projects.			
Experience Dates Experience and qualifications relev (mm/yy - mm/yy) intersection", etc. Experience date		/ant to the proposed contract; i.e s should cover the time specifiec	., "designed drainage", "designed girders", "designed I in the applicable MPR(s).		
01/19-Ongoing	Ongoing <b>Road and Bridge Improvements Wyldwood Road, Travis County, TX.</b> Project Engineer. Project engineer in charge of the hydrology and hydraulic evaluations for two bridge sites along Wyldwood Road in Travis County, Texas. The hydrology consister of implementing the NOAA Atlas 14 rainfall procedure for the Slaughter Creek and Danz Creek watersheds to develop the 2, 10 and 25-year peak discharges as well as the ultimate condition for the 100-year event. The hydraulic modeling included develop the FEMA Corrected Effective hydraulic modeling in HEC-RAS with current LiDAR and survey information. Design alternatives t meet the county criteria were evaluated as proposed conditions for each design storm. Currently, serving as lead review of the preliminary and construction phases.			e sisted 2, 10, reloping res that <sup>5</sup> the	
01/17-01/22	<b>Sasol Chemicals, (USA) LLC, Drainage Impact Analysis, Lake Charles, LA.</b> Project Manager and Hydraulic Engineer. Served as project engineer that updated the HEC-HMS, HEC-RAS model, and report with as-built information. Also analyzed the results preconstruction to post construction hydrologic and hydraulic impacts on FEMA and other regulations. Ongoing work to update report with design conditions and constructed as-builts for purposed of submitting a LOMR to the parish for inclusion in the FEM map revision.			erved esults of pdate e FEMA	
01/17-12/17	<b>FEMA Hydrologic and Hydraulic Support Services, New Orleans, LA.</b> Hydraulic Engineer. General contract for support and served as the engineer in charge of review of engineering designs submitted for consideration of funding. Included review of geological, hydrologic, hydraulic, and groundwater design components for a site in New Orleans.			and of	

01/16-Ongoing	<b>MDOT, Scour Evaluations, Various Locations, MS.</b> Project Manager and Hydraulic Engineer. Led and completed the analysis for Phase I, II, III, and IV Scour Evaluations. For Phase I, data including all available historic bridge information, geotechnical, land use, stream conditions, and survey was collected to perform a geomorphic assessment. In Phase II, SRH2D was used to evaluate the riverine (with tidal boundary if appropriate and additional ADCIRC-SWAN for coastal scour) impacts for the appropriate AEPs. Scour analysis was conducted and compared with any observed scour to assess risk and develop the total scour profile. In Phase II, additional geotechnical boring information was collected to evaluate the structural stability with respect to scour. The critical scour elevation was found then compared to calculated and observed scour. Then if applicable a recommendation made to develop a Phase IV Plan of Action. During the POA, monitoring plans and detour routes were recommended and a completed FHWA POA draft submitted.
01/17-Ongoing	<b>CPRA, Mid-Barataria Sediment Diversion, Ironton, LA.</b> Project Engineer. Project Engineer in charge of coordination with subconsultants on weekly progress reports for submission to CPRA. Tasks include management and processing of data received from subconsultants. Other roles include reviewer of BODR report for technical approach and clarity. In addition, she led the scour evaluation of the bridge at a site with both riverine and coastal design factors evaluated for impact on the proposed structure including complex piers in a cohesive soil environment. Piers were evaluated using both HEC-18 and FLDOT methods due to the complex pier and cohesive soil conditions. A practical application of the scour methodology was used to replicate the most realistic scour conditions anticipated at the site.
01/18-Ongoing	<b>CPRA, Maurepas Swamp Engineering and Support Services, Garyville, LA.</b> Project Engineer. Project engineer in charge of reviewing existing XPSWMM subsurface modeling of local drainage in St. Johns Parish into Maurepas Swamp. The existing modeling was reviewed and converted into a PCSWMM model and updated with publicly available data for use in an evaluation of a diversion. Task include opening the existing model which was created in a version that is no longer recognized by current software, use and convert the available existing data in a new model, review for any land use or development changes, and develop a plan for necessary field data to be collected to finalize the updated existing conditions model. Tasks include evaluating the hydrologic routing around the proposed diversion, updating the HEC-RAS modeling, converting steady HEC-RAS into Unsteady, and designing hydraulic structures to ensure capacity throughout system to swamp.
01/17-01/18	<b>New Orleans Lakefront Airport Authority, Lakefront Airport 2D Subsurface Modeling, New Orleans, LA.</b> Hydraulic Engineer. General review and assistance on drainage design for the airport. As the project engineer work included using hydraulic software such as PCSWMM, to create hydraulic analysis of the pre- and post- conditions of site to drainage regulations.
01/17-01/19	WR Grace Lake Charles Plant, Site Hydrology, Sulphur, LA. Project Engineer. Performed hydrologic analysis for the refining facility using ArcGIS software and HEC-HMS. Analyzed various storm events and possible changes to site water treatment, storage, and discharge. As project engineer, she helped the client evaluate the hydraulic design submitted by another consultant for effectiveness with the site conditions. She became the Deputy Project Manager for a supplemental agreement to evaluate the subsurface and surface drainage systems and develop construction plans of a conveyance channel.

	Firm	AECOM T	AECOM Technical Services, Inc.			
125	Name	Kordel Braley, PE, PTOE			Years of Relevant Experience with this Employer	2
	Title	Traffic Co	ntrol Design, Traffic Sig	gnal Analysis and Design	Years of Relevant Experience with Other Employer(s)	14
Degree(s)/	Years/Sp	ecialization		MS/2007/Civil & Environmental	Engineering/Brigham Young University	
Active Reg	istration	Number/Stat	e/Expiration Date	7705675/UT/03.31.2023		
Year Regist	tered	2010	Discipline	Civil Engineer		
Active Reg	istration	Number/Stat	e/Expiration Date	P-19035/ID/02.28.23		
Year Regist	tered	2019	Discipline	Civil Engineer		
Active Reg	istration	Number/Stat	e/Expiration Date	134770/TX/03.31.23		
Year Regist	tered	2019	Discipline	Civil Engineer		
Active Reg	istration	Number/Stat	e/Expiration Date	3173		
Year Regist	tered	2011	Discipline	Traffic Operations Engineer		
Contract R	ole(s)/Bri	ef Descriptio	n of Responsibilities	Kordel will be Traffic Control Design, Traffic Signal Analysis and Design engineer to support the roadway construction projects under this contract.		
Experience (mm/yy - r	ence Dates Experience and qualifications relev y - mm/yy) Experience dates should cover the		nd qualifications releva lates should cover the t	nt to the proposed contract; i.e., "do ime specified in the applicable MPI	esigned drainage", "designed girders", "designed intersectio R(s).	on", etc.
2018 - Ong	going	LP 1604 and model for over scenarios an analysis using construction	I-10 Schematic and IA er 20 miles of freeway a d to prepare a draft IAJI g ISATe. The IAJR was a of this project ensuring	AJR, San Antonio, TX. Kordel is the nd frontage road corridor in northe R for the I-10 interchange area. The approved by FHWA in 2022. Kordel a safety of all modes.	e traffic lead for the development and calibration of a VISSI rn San Antonio. The model was used to evaluated numerou IAJR also included a detailed crash analysis and predictive is now leading efforts to analyze dozens of traffic control pl	M Js Safety ans for
2020 - Ong	going	Oak Hill Parkway Design Build, Austin, TX. Kordel is the lead traffic engineer for traffic analysis and has developed VISSIM mode Maintenance of Traffic (MOT) phases and steps for this freeway construction project converting an arterial to a grade-separated freeway construction project converting and the separated by the separated freeway construction project converting and the separated by the separated freeway construction project converting and the separated by the separated freeway construction project converting and the separated by the separated freeway construction project converting and the separated by the separated freeway construction project converting and the separated by the separated freeway construction project converting and the separated by the separated by the separated freeway construction project converting and the separated by the separated freeway construction project converting and the separated by the separated freeway construction project converting and the separated by the separated freeway construction project converting and the separated by the separated freeway construction project converting and the separated by the separated freeway construction project converting and the separated by the separated freeway construction project converting and the separated by the separated freeway construction project converting and the separated by the separated			els for reeway. (	
2019 - 202	2	I-35W at US 67 IAJR, Alvarado, TX. Kordel was the traffic lead for the development of an IAJR for this project which improves safety a operations to I-35W near US 67 in Alvarado. The IAJR analyzes the impacts to mainlanes, frontage roads and frontage road cross stree both in terms of traffic operations but also safety. The IAJR was approved in 2022.			fety and streets	
2020 - Ong	going	<b>Project Connect Orange Line, Capitol Metro, Austin, TX.</b> Capitol Metro, the transit authority in Austin, Texas, is constructing a new high-capacity transit line (LRT) through downtown Austin called the Orange Line. Kordel has provided QC on development of the VISSIM model for the Orange Line. The work to construct the existing model of the corridor has already been completed and delivered to the city. Upcoming work on the project will include modeling rail alignment alternatives, impacts to adjacent neighborhoods roadways, and mitigation alternatives to minimize those impacts.			new /ISSIM the s, and	

2019 - Ongoing	LP 1604 from FM 1346 to FM 1303, San Antonio, TX. Lead traffic engineer including capacity analysis of segments and intersections using HCS and Synchro. Collected and processed traffic from active and passive sources. Developed traffic forecasts. Analyzed travel times, delay, and LOS. Supported design of signing and pavement marking. Performed traffic engineering at intersections. Supported environmental analysis and oversaw predictive safety analysis.
2020 - 2021	<b>200 South Transit Corridor, Salt Lake City, UT.</b> Kordel was the deputy PM and traffic engineering lead on the Salt Lake City 200 South Transit Corridor study which created concepts to prioritize transit and other modes along this important corridor in downtown Salt Lake City based on input from the community, stakeholders, and data driven analysis. Kordel also built VISSIM models to compare traffic metrics including transit travel time, LOS, and queuing for each concept at key intersections along the corridor. This project is currently in final design.
2014 - Ongoing	Lehi City On-Call Traffic Engineering Support, Lehi, UT. Kordel works with Lehi City on an on-call basis to provide traffic engineering support for it's Engineering and Public Works departments. Work tasks include traffic signal warrants, pedestrian studies, safe routes to school studies, and speed studies. One larger task order included identifying and prioritizing several gaps in pedestrian facilities in the northeast portion of Lehi. With the opening of a new high school, the city desired to improve conditions for pedestrians. In addition to making several recommendations for controlled and uncontrolled pedestrian crossings, Kordel also helped identify gaps in sidewalk facilities and developed a simple and transparent prioritization process to assist the City in completing these missing portions.
2020 - Ongoing	<b>Local Link Alternatives Analysis, Wasatch Front, UT.</b> Kordel is the deputy PM and lead traffic engineer for this alternatives analysis of transit along 1300 East and Highland Drive in Salt Lake City, Millcreek, and Holladay. Kordel's team has developed travel times and prepared ridership estimates for several options including LRT, BRT, Streetcar, and Enhanced Bus along two alignments.
2019 - Ongoing	<b>Davis-Salt Lake Community Connector Bus Rapid Transit Environmental Assessment, Davis and Salt Lake Counties, UT.</b> Kordel has assisted in the development of a VISSIM model in support of this EA for the Utah Transit Authority (UTA) which runs from Downtown Salt Lake City, UT to Woods Cross, UT. The Davis–Salt Lake traffic model includes more than 50 intersections and a train line. Kordel has also assisted with QC tasks and messaging if the traffic analysis to project stakeholders.
2018	<b>Tempe Street Car, Tempe, AZ.</b> AECOM led the field implementation of the Tempe Street Car, which included the development of signal timing plans. The Tempe Street Car includes approximately 3 miles of street car with shared-use lanes and center running track with two single track segments. The proposed street car will be off-wire for about 0.5 miles requiring signal timing that optimizes street car progression through that segment. Kordel assisted in the development of AM and mid-day VISSIM models and the development of the build models including the development of over 30 ring-barrier controllers with transit signal priority (2018).
2019 - 2020	Ogden Bus Rapid Transit Final Design, Ogden, UT. Kordel was the lead traffic engineer for final design of the Ogden BRT project. The 10-mile corridor was modeled using VISSIM including mixed-flow and exclusive bus lanes and transit signal priority (TSP).
2021	Benefit-Cost Analysis for US 101/Hearn Avenue Interchange Project, Santa Rosa, CA. Kordel was the lead traffic and safety engineer for the preparation of this report in support of the RAISE Funding Application. Kordel analyzed both traffic and safety data to quantify the economic benefit of adding vehicle, bike, and pedestrian capacity to the Hearn Avenue Interchange. The addition of capacity to a US 101 exit ramp was also considered as queued vehicles currently extend onto SB US 101. The analysis included both predictive safety analysis as well as the evaluation of crash modification factors (CMFs) from the Highway Safety Manual (HSM). Kordel also evaluated the benefits due to delay savings and air quality improvement in the region due to the proposed changes.

	Firm	AECOM Technical Services, I		າດ.		
00	Name	Carlos Duran, PE, PTOE			Years of Relevant Experience with this Employer	12
	Title	Transport Traffic Sig	ation Management Pla nal Analysis and Desig	ans/ Traffic Control Design, gn	Years of Relevant Experience with Other Employer(s)	3
Degree(s)/`	Years/Sp	ecialization		BS/Civil Enginering MS/Traffic Enginering		
Active Reg	istration	Number/Stat	e/Expiration Date	125561/TX/12/22		
Year Regist	tered	2015	Discipline	Civil Engineer		
Contract R	lole(s)/Br	ief Descriptio	n of Responsibilities	Carlos will be the Transportation I to support Project Manager and c	Management Plans and Traffic Signal Analysis and Design e other team member under this contract.	ngineer
Experience (mm/yy - r	e Dates mm/yy)	Experience a Experience d	nd qualifications releva lates should cover the t	nt to the proposed contract; i.e., "d ime specified in the applicable MP	esigned drainage", "designed girders", "designed intersection", "R(s).	on", etc.
	21	developed a completed set of o downtown San Antonio. The two traffic signal design, roadway, po signing, pavement markings, stu of the corridor, ADA ramp and s pavement marking, and traffic s		ruction documents for two major or ridors, Broadway St and Avenue B trian, cyclist, and landscape recon curb extensions, and accessible pa alk improvements, landscape desi improvement to accommodate th	corridors inside the tourist and historical destination inside , which included 24 blocks in downtown, required a comple struction. The Broadway St corridor had 11 new traffic sign arking spot design. Avenue B corridor included the mill and gn, NACTO two-way cyclist lanes corridor, side parking, sig ne cyclist lanes, pedestrians, and regular vehicular traffic.	te als, overlay ning,
10/21 - 09/	1 - 09/22 San Antonio Wrong Way Detection System along I-10, I-37, and Highway 410, TxDOT San Antonio, District. Design, coo and implement of LED flashing wrong way detection system. The system included the implementation of radar sensors and co cameras using the latest technology to detect wrong way drivers entering the major freeway ramps in San Antonio. The system designed as a stand-alone solar power system, at 31 locations, capable of sending an alert message to the San Antonio TxDOT Traffic Management Centers in the area. The project required coordination with the Federal Aviation Administration FAA to auti implementation of wrong-way equipment. Additional local coordination was needed with the transit authority VIA and school d coordinate alternative routes during the project construction, which will require temporary ramp closure in their local operation the San Antonio metro area.			nate rmation were nd other rize the rict to utes in		
05/22 - 09/	/22	San Antonio Wrong Road-Side Units Wireless Communication, TxDOT San Antonio, District. Design, and of the development of construction documents and estimates to install Road-Side Units (RSU) for the application of Automated Vehicle (CAV) technology. The systems were designed as a stand-along system at 108 locations stat the San Antonio District). The RSU is a wireless communications device within a "connected vehicle" that will colle information from the vehicles in which the 'on-board unit" at the vehicle, pedestrian, other transportation with this transfers information to/from the roadside equipment (controller) and back to the Traffic Management Center. Th extensive coordination with institutions in the San Antonio metro area.			<b>DOT San Antonio, District.</b> Design, and coordinate on Road-Side Units (RSU) for the application of Connected and a stand-along system at 108 locations statewide (11 location e within a "connected vehicle" that will collect and send road e, pedestrian, other transportation with this technology will back to the Traffic Management Center. The project require	ins in dway d

01/22 - 09/22	<b>Slaughter Lane Corridor Improvements, City of Austin, Austin, TX.</b> Provided the complete PS&E of the traffic engineering design for the roadway improvements, including a share-use path and inclusive bike lane corridor. The project included signal updates and improvements at 24 intersections along the 4 miles of complete roadway improvements. The project included complete traffic signal improvements utilizing existing and/or new poles and mast arms. All ramp, sidewalk and pedestrian elements were upgraded to comply to ADA requirements. Extensive coordination was required with all utility companies to complete a design meeting all minimum utility requirements clearances simultaneously to fit the city's existing ROW limits
03/12 - 08/13	<b>ExxonMobil's campus Springwoods Master Plan Development and Traffic Impact Analysis, Houston, TX.</b> Mr. Duran serve as part of the team to conduct a traffic impact analysis for the proposed ExxonMobil's campus north of Houston which was planned to accommodate more than 10,000 employees and visitors. The campus located in Spring, Texas, on 385 wooded acres immediately to the west of Interstate Highway 45 (I-45), at the intersection of I-45 and the Hardy Toll Road, approximately 25 miles from downtown Houston. The analysis was used to determine the potential impacts to traffic operations in the vicinity of the proposed development during three different phases of the development. VISSIM models were develop for the analysis of multiple scenarios. Synchro models were also developed for the optimization of signal timing for the opening years. Internal trip reduction was also calculated for the different land uses of the project, and recommendations were provided for the major intersections.
11/19 - 09/22	I-35 at Williams Drive, TxDOT Austin District, Austin, TX. Design of 3.4 miles roadway corridor of traffic elements which included Road Weather Information Systems, Radar Vehicle Devices, CCTV, DMS, Wrong Way Detection. Development of communication diagram for both wireless & fiber optic cable connections. Design and quantify the use of Smart Work Zone (Queue Detection/incident detection/ speed monitoring). Currently overseen the Construction Phase which includes the review and approval of RFIs, Shop Drawing Reviews for the construction of the project.
09/13 - 02/14	<b>Country Club Roadway Reconstruction, El Paso, TX.</b> Mr. Duran team provided traffic engineering planning for the corridor of El Paso Country Club. The project included the preliminary alternative analysis at the major intersections along Country Club Road. The alternative evaluated included various combinations signalized and roundabout alternatives which were model VISSIM with the supporting data of synchro for the adjacent traffic signal of the project. The models also included at grade railroad which was included in the model for the analysis. The roundabout design was evaluated by capacity manually, using synchro and VISSIM to refine the design and prove the feasibility or a roundabout in the corridor.
06/14 - 02/17	<b>Border Highway Loop 375 ITS, Tolling, and Traffic Signal Design, El Paso, TX</b> . Prepared PS&E for new \$476 million, nine-mile, four- lane design-build toll road project. Design the ITS fiber optic cable infrastructure and integration of the traffic management system installed on Loop 375 and connect to the TransVista Traffic Management System, design the tolling system underground infrastructure, traffic signal design, signing and striping design for this complex, fast-track project.
09/10 - 10/11	Westside Master Plan Traffic Study, El Paso, TX. Mr. Duran team evaluated and provided recommendations to the Loop highway 375 using the traffic projections for the project during various analysis years. The City of El Paso planned for the growth and roadway improvements along Loop 375 Freeway (Transmountain Road) in the northwest part of the city. The roadway improvements along Loop 375 included a full freeway with frontage roads from IH 10 to the Franklin Mountains Park boundary. The project included the development of the forecasted volumes in the northwest area for the year 2025 and provided a comparison and recommendations for two proposed freeway interchange alternatives at Loop 375. Several street grid scenarios within the area were considered. The traffic forecast was done using the TransCAD regional traffic forecasting model. Intersection analysis was done using Synchro.

Firm	AECOM	Fechnical Services, Ir	nc.		
Name	ne Ramya Rayapureddy			Years of Relevant Experience with this Employer	2
Title	Transportation Management PI Traffic Signal Analysis and Desi		ans/Traffic Control Design, gn	Years of Relevant Experience with Other Employer(s)	0
Degree(s)/Years/Specialization		MS / 2020 / Civil Engineering B.Tech. / 2015 / Civil Engineering			
Active Registration	Number/Stat	e/Expiration Date	LADOTD Traffic Process and Report Parts 1 and 2 (2021)		
Year Registered	Registered N/A Discipline		N/A		
Contract Role(s)/Brief Description of Responsibilities		Ramya will provide Transportation Management Plans and Traffic Control Design, Traffic Signal Analysis and Design support to provide engineering services necessary for the development of Transportation Management Plans and design and analysis of traffic control features on roadway construction projects.			
Experience Dates (mm/yy - mm/yy)	Experience a Experience o	and qualifications releva dates should cover the t	nt to the proposed contract; i.e., "d ime specified in the applicable MP	esigned drainage", "designed girders", "designed intersection", "R(s).	on", etc.
02/21–Ongoing	<b>City of Baton Rouge-Parish of East Baton Rouge, Jones Creek Road Extension 1A, Baton Rouge, LA.</b> Responsible for collect traffic counts, geometric layout measurements and peak period observations at signalized and unsignalized intersections within th scope of the study. Coordinated with my team to make sure in getting quality counts while maintaining safety.			cting the	
11/20-Ongoing	<b>City of Austin Crash Mapping Project.</b> Responsible for Crash investigation and crash mapping of five intersections based on impact type.			ıpact	
12/20–Ongoing	<b>City of Ketchum Fire Station Traffic Engineering Assistance – Modification 3</b> . Conducted research and extracted detailed information pertaining to the Emergency Vehicle warning systems, installation equipment and activation options. Coordinated with each of the vendors and requested general information of their systems.				
11/20–Ongoing	<b>City of Dallas – McKinney/Cole Avenue – Two–way Conversion.</b> Responsible for review of the traffic impact studies along the corridor and developed traffic volumes from the base conditions. Collected aged data along the corridor and developed growth rates at each individual stations. Coordinated with the team in developing an aggregate growth rate.				
08/18-08/20	ALDOT for Unsignalized Type Configurations on Rural Divided Highways (Thesis). Developed AL specific calibration factor for unsignalized intersections on rural divided highways. Calibrated safety performance functions (SPFs) and predicted crash frequency for recently modified intersections. Selection of appropriate crash modification factors (CMFs) for a specific countermeasure deployed at a treatment location.				
01/19–04/19	Atlanta Highway and Interchanges on I–85 at Exit 4 and Exit 6. Conducted computer simulation of traffic operations using Highway Capacity Software (HCS), CORSIM, VISSIM and Synchro along the arterial to identify and resolve existing problems in traffic flow. Analyzed future conditions for 20 years by assuming traffic volume and built alternatives for future conditions. Developed VISSIM model to analyze existing and future conditions.				
01/18–04/19	Spatial Analysis of Locational Demographics with Intersection Crashes in Alabama, AL. Performed spatial and statistical analys of over 100,000 intersection related crashes from Alabama using ArcMap10.6 and excel to identify high crash locations and crash severity. Identified locational demographic factors and suggested measures to reduce crash rates based on regional and driver factor			าalysis า actors.	

Page 30 of 94 Prime consultant firm name: **AECOM Technical Services, Inc. (AECOM)** 

09/18–11/18	<b>College Street and Thach Avenue Intersection, Auburn, AL.</b> Conducted capacity and level of service (LOS) analysis of a signalized intersection in Auburn during the evening peak period using HCS 7. Suggested improvements in signal phasing which resulted a decrease in an overall delay of 15.5 seconds with a LOS of B for the intersection.
09/18–11/18	<b>Highway 84 E. Corridor Redevelopment Project Dothan, AL.</b> Analyzed Pedestrian and bicycle Level of service (LOS) for the existing conditions of the 4–mile corridor in Dothan. Proposed a transportation plan to improve biking, pedestrian safety, connectivity and suggested complete street transformation for Columbia highway.

Firm	AECOM Technical Services,	nc.		
Name	Philip Utubor, PE		Years of Relevant Experience with this Employer	6
Title	Traffic Control Design, Traffic S	ignal Analysis and Design	Years of Relevant Experience with Other Employer(s)	2
Degree(s)/Years/Specialization		MBA/2016/Supply Chain Management/Howard University BSc/2011/Civil Engineering/ Howard University		
Active Registration Number/State/Expiration Date		144602/TX/03.31.2023		
Year Registered	2022 Discipline	N/A		
Contract Role(s)/Brief Description of Responsibilities		Philip will be the Traffic Control Design, Traffic Signal Analysis and Design suppport to provide all engineering services necessary for the design and analysis of traffic control features on roadway construcstion projects.		
Experience Dates Experience and qualifications releva (mm/yy - mm/yy) Experience dates should cover the t		ant to the proposed contract; i.e., "d time specified in the applicable MP	esigned drainage", "designed girders", "designed intersectio R(s).	on", etc.
04/22 - Ongoing	Austin Core Transportation, City district that encourage pedestrian scenarios using Synchro 11, to dete	of Austin, Austin TX. This project and transit movement within the dover mine the most suitable lane config	involved developing facilities within the Austin core busines wntown area. Philip developed and analyzed multiple roadw gurations to support this project.	ss /ay
03/22 – 08/22	<b>Street Impact Fee ROW Schematic, City of Austin, Austin TX.</b> Philip develop ROW plots for the City of Austin Street Impact Fee (Street, using ProjectWise/MicroStation. The ROW plots showed existing and proposed ROW along corridors in the city, and the City plans to use these sheets to determine roadway segments where future projects/improvements can be implemented.			e (SIF) Xity
01/20 - 01/22	<b>Engineering Services Staff Augn</b> Transportation Planning and Engine and review all aspects of transportation Impact Analyses, and Transportation efficiently implement a framework for external stakeholders to successful	nentation, City of Austin, Austin T eering projects to ensure alignment ation associated with development p on Demand Management strategies or the programs/projects while coo Ily deliver high-demand, time-sensi	X. Development Reviewer. Philip helped manage multidisc with City standards and ordinances. This role involved the proposals such as zoning and site plan applications, Transp s. Philip provided technical input and strategic direction to rdinating with multiple work teams across ATD Divisions, ar tive projects.	plinary scoping ortation nd
10/19 - 12/19	South First Street Bridge Transit Improvements, City of Austin, Austin TX. Philip performed preliminary engineering analysis using, VISSIM, in support of transit improvements and a reversible lane on South First Street Bridge. Philip ensured the model was calibrated to existing conditions using data provided by the Austin Department of Transportation's Signals division and Capital Metro. Philip supported in the development and presentation of data and recommendations to the client.			using, ated to oported
03/19 - 10/19	<b>Port Arthur Liquefaction Project, Bechtel, Houston TX.</b> Philip performed a traffic impact analysis of several intersections around the proposed project site. Philip evaluated intersection operations during the AM and PM peak periods and analyzed them Synchro software. Philip prepared a technical report which highlighted the results of existing, no-build and build scenarios and provided recommendations to the client.			nd the oftware. ations

09/18 - 03/19	<b>Roundabout Feasibility Study, City of Austin, Austin TX.</b> Intersection Analysis Task Lead. Philip performed feasibility studies for roundabouts or mini-roundabouts at the study intersections to improve traffic operations and efficiency. Philip evaluated intersection roundabouts during the AM and PM peak periods and analyzed them using both SIDRA and VISSIM software. Philip assisted in the development of a concept level footprint for the roundabouts, which were overlaid on existing aerials and ROW to estimate ROW needs. Philip prepared a technical report which highlighted the results of existing, no-build and build scenarios and provided recommendations on where roundabouts or mini roundabouts may be feasible.
01/18 - 03/19	Montgomery County Power Station Traffic Impact Study, Entergy Texas Inc, The Woodlands TX. Philip served as the task lead for this project. Philip evaluated the study intersections for existing, peak, and full-build out conditions. Philip analyzed intersection level of Services (LOS) at the study intersections using SYNCHRO software. Philip evaluated the queuing impact of the proposed security guard house/gate as well and performed turn lane analysis at the proposed entrance based on the SYNCHRO models. Philip prepared a report to document the analysis results of all scenarios.
2018	<b>I-20 at CR 1250 - Odessa Schematic and Environmental, Texas Department of Transportation, Odessa TX.</b> This project involved the relocation of ramps along a segment of I-20 in Odessa, TX. Philip performed scenario analysis of 6 scenarios including existing, no-build and build conditions, using Highway Capacity Software (HCS). Philip presented the level of service results by developing stick diagrams showing the segments of the highway and the level of service at these segments.
2018	<b>Red River Br SEA, Louisiana Department of Transportation, Louisiana.</b> This study addressed the current traffic conditions and assessed future transportation impacts associated with and without the construction of a new LA 511 Jimmie Davis Bridge over the Red River in Louisiana. Philip performed level of service (LOS) capacity analysis of at least 2 roadway alternatives provided by the client, using both Highway Capacity Software (HCS) and VISSIM software. Philip also designed the trail roadway crossing according to the state department of transportation's specifications, using MicroStation software, and redeveloped conceptual layout for the updated alternatives. Philip assisted in the preparation of an Addendum to the existing traffic report which was presented to the client.
2017 - 2018	<b>2017 Martin Luther King Jr. Corridor Mobility Preliminary Engineering Reports, City of Austin, Austin TX.</b> Task Lead. This project involved performing traffic operations analysis of the Martin Luther King Jr. corridor. Philip performed intersection and multimodal level of service (LOS) analysis of the study intersections along the corridor. Philip also performed crash analysis of vehicles, pedestrians and Bicycles, by intersection and segment. Philip prepared a report documenting the existing conditions analysis results which was used in the determination of roadway improvements at different intersections along the corridor.
2017	<b>Civil and Family Courthouse Site Analysis, Travis County, Austin TX.</b> This project involved the provision of a traffic impact analysis for the proposed 1700 Guadalupe site of the Travis County Civil and Family Courthouse Complex. Philip performed intersection analysis of AM and PM peak hours of existing, 2020 no-build, and 2020 build scenarios using SYNCHRO software. Philip also performed a comparison of the results from this analysis with the results of traffic impact analysis of the previously proposed site. The results of this analysis were helpful in the determination of the best site for the location of the new offices. Philip assisted in the development of the memo, containing results of the analysis, which was presented to the client.
2017	Project Connect Central 2016-2019 - Phase I Preliminary Workplan & Public Plan, Capital Metropolitan Transportation Authority, Austin TX. This project involved providing services for Phase 1 which included the development of a preliminary work plan and public/stakeholder plan. Philip performed existing, no-build and build analysis of the corridors and road segments of interest, using SYNCHRO software. Philip also performed a person hours travelled and bus delay analysis for Auto and Bus of the proposed alternatives, and the results from this analysis were presented for further recommendations.

Firm		AECOM Technical Services, Inc.			
	Name	Bonnie Dial, PE, PTOE		Years of Relevant Experience with this Employer	15
	Title	Traffic Control Design, Traffic Sig	gnal Analysis and Design	Years of Relevant Experience with Other Employer(s)	0
Degree(s)/	Years/Sp	pecialization	BS / 2006 / Civil Engineering		
Active Reg	jistration	Number/State/Expiration Date	#108550 / TX / 03/31/23   PTOE 3577 / 11/23		
Year Regist	Year Registered 2011 Discipline		Civil		
Contract Role(s)/Brief Description of Responsibilities		ief Description of Responsibilities	Traffic Control Design, Traffic Signal Analysis and Design she will provide all engineering services necessary for the design and analysis of traffic control features on roadway construction projects.		
Experience Dates Experience and qualifications relevant (mm/yy - mm/yy) Experience dates should cover the till		Experience and qualifications releva Experience dates should cover the t	nt to the proposed contract; i.e., "d ime specified in the applicable MP	esigned drainage", "designed girders", "designed intersection R(s).	on", etc.
11/19 – 01/	11/19 – 01/20 <b>Planning Level Traffic Impact Anal</b> planning level traffic impact analysis of roadways, the existing and expect identified to determine the overall via		<b>lysis, Confidential Client, Lake C</b> for traffic during construction of a red arterial Level of Service (LOS) w ability of the project.	Charles, LA. Project Manager. Responsible for the oversigh new industrial facility. Using generalized criteria for similar t vas analyzed and possible roadway network improvements	it of a ypes were
03/19 – 09/20 <b>Port Ar</b> analysis adjacer District operati		<b>Yort Arthur Traffic Impact Analysis (TIA), Bechtel, Port Arthur, TX.</b> Project Manager. Responsible for oversight of traffic impact nalysis and traffic management plan preparation for a new Liquified Natural Gas (LNG) facility. This work included the results from two idjacent LNG projects under construction at the same time. Coordinated with Texas Department of Transportation (TxDOT) Beaumont District for approval of the TIA. Recommended improvements to SH 87 and SH 82 signing, striping, and existing traffic signal for improved operations.			
01/19 – 03/21 SH 146 at N Alexander Drive Traff for the intersection of SH 146 at Alex Then, performed an all-way stop war further study after construction. The arms will remain to reduce construct		SH 146 at N Alexander Drive Traffi for the intersection of SH 146 at Alex Then, performed an all-way stop war further study after construction. The arms will remain to reduce construct	ic Signal Design, TxDOT (Housto cander Drive that determined once rrant and traffic signal design to co controller needed to be relocated ion cost.	on District), Baytown, TX. Prepared a traffic signal warrant the mainlane overpass is built, a traffic signal is no longer n nvert the traffic signal to flashing all-way stop conditions un I due to the location of the bridge columns, and the existing	study needed. ntil gmast
03/19 - 12/	/19	FM 1488 at Forest West and FM 1488 at Sweetgum Lane Traffic Signal Design, TxDOT (Houston District) Montgomery Count TX. Project Manager. Responsible for the design two traffic signals along FM 1488 due to the growing drivers in the area. The design included mast arms, pedestrian crossings to align with the planned access management project. Included driveway relocation to alig driveway with intersection, utility relocation to avoid mast arm location, designed conduits and pedestrian ramps to avoid existing cro drainage diagonal across intersection.			<b>sunty,</b> sign align cross
03/19 - 12/19FM 1488 Access Management Stu and long-term improvement solution intersection LOS, crash history, and and public meetings as part of the va medians with hooded left turn lanes and traffic signal improvements. Pre request funding.		FM 1488 Access Management Stu and long-term improvement solution intersection LOS, crash history, and c and public meetings as part of the va medians with hooded left turn lanes, and traffic signal improvements. Pre- request funding.	ndy, TxDOT, Montgomery County as to enhance safety and mobility a deficiencies as part of the existing aluable public involvement process continuous green T intersection, b pared construction cost estimates	<b>7, TX.</b> Project Manager. Responsible for guiding short-, medalong the 14 mile corridor with 19 signalized intersections. A conditions report. Conducted steering committee, stakeh s. Recommended access management solutions including bicycle connectivity through intersections, pedestrian cross and Transportation Improvements Program (TIP) application	lium-, Analyzed Iolder, graised Isings, ions to

03/19 – 10/19	Industrial Traffic Study, Confidential Client, Gregory, TX. Project Manager. Responsible for the analysis of a large industrial facility with the primary goal to recommend roadway improvements for circulation of existing operations and future operations. Understanding project needs, collecting traffic count data, determining local growth rates, analyzing intersections in Synchro, analyzing freeways in Vissim, and preparing construction cost estimates. Close coordination was required with client and TxDOT to incorporate several planned improvements.			
07/19 – 05/20	<b>IH 45 Reconstruction, TxDOT, Harris County, TX.</b> Traffic Task Lead. Responsible for design of signing, signals, pavement markings, high mast illumination, and ITS along IH 45 from south of the Texas City Terminal Railroad to north of the Galveston Causeway surrounding SH 6 intersection. Performed quality control for signing, pavement markings, and ITS. Led team to complete work on time, within budget, and to high quality emphasizing public safety.			
02/18 – 10/18	Industrial Traffic Study, Exxon Mobil GCGV, Gregory, TX. Traffic Engineer. Responsible for analysis of a new large industrial facility required understanding the project needs to develop the study boundary, collecting traffic count data, generating anticipated vehicle trips, distributing trips through study boundary, analyzing intersections in Synchro software, analyzing freeways in Highway Capacity Software, and preparing cost estimates for the recommended and optional improvements. Close coordination was required with client and TxDOT to ensure vehicle trips were able to circulate most efficiently within the freeway and local roadway systems and to ensure the high impact, low cost recommendations met the purpose of the study. Preliminary construction cost estimates were provided to assist prioritizing the improvements.			
01/18 – 12/18	SH 3 Access Management Study, TxDOT. Harris County, TX. Traffic Engineer. Responsible for short-, medium-, and long-term improvements to enhance safety and mobility along the 14 mile corridor with 24 signalized intersections. Prepared preliminary roadway improvements to add raised medians with hooded left turn lanes based on Synchro traffic analysis results, to add sidewalks for multimodal connectivity, and recommend traffic signal improvements. Presented recommendations to the steering committee and prepared visually effective public meeting materials.			
01/17 – 12/17	SH 105 Access Management Study, TxDOT, Montgomery County, TX. Traffic Engineer. Responsible for the development of short term solutions for a 4 lane highway to be expanded to 6-lanes with a 28-ft median. The corridor has high speed limits, developing suburban area, high driveway density. The corridor has plenty of right-of-way for access management improvements. A cost estimate was also developed.			
06/16 - 10/16	<b>Traffic Signalization of Hollyhock Road and Greenhouse Road, Harris County, Katy, TX.</b> Technical Lead. Responsible for the design of a new traffic signal, including providing engineering services for signing and striping, pedestrian facilities, and extending turn bays.			
Firm	AECOM Technical Services, Inc.			
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Name	Jonathan Giardina, El		Years of Relevant Experience with this Employer	5
Title	Road Design Engineer		Years of Relevant Experience with Other Employer(s)	0
Degree(s)/Years/Sp	pecialization	BS / 2019 / Civil Engineering		
Active Registration	Number/State/Expiration Date	EI.34290 / LA / 03/31/2024		
Year Registered	2019 Discipline	Civil Engineer		
Contract Role(s)/Br	ief Description of Responsibilities	Jonathan will be supporting the P services under this contract	roject Manager and other team member to provide road de	sign
Experience Dates (mm/yy - mm/yy)	Experience and qualifications releva Experience dates should cover the t	nt to the proposed contract; i.e., "de ime specified in the applicable MPf	esigned drainage", "designed girders", "designed intersectio R(s).	on", etc.
09/20 – Ongoing	Feasibility Study and Report / TEF Design / CADD Design. Project aims includes a flyover exit ramp from I-10 utilizing the DOTD Bid Tab spreadsho	PR, College Drive, City of Baton R to provide access management, s ) westbound Ramp to College Drive eet.	<b>Rouge / Parish of East Baton Rouge, Baton Rouge, LA.</b> Fignalization and capacity improvements along College Dr. Fig. Assisted with estimating costs of high-level design conc	Roadway RFP epts
10/17 – 12/18	S.P. No. H.011670: I-10 Design Buil including a six mile I-10 widening to 6 Highland Road Bridge Widening ove LA 928 Overpass and two mainline B	<b>d: Highland to LA 73, LADOTD, E</b> 6 lanes, replacement of an existing l r Bayou Manchac, improvements to 8 ox Culverts. Assisted with docume	<b>ast Baton Rouge and Ascension Parishes.</b> Design Build highland road overpass, reconstruction of I-10 on either sic o the Highland Rd and LA 73 Interchanges, and rehabilitatic ent control and invoice review.	Project de of on of the
01/21 – Ongoing	<b>East Baton Rouge Parish, MOVEB</b> Process and Report for the propose existing intersection analysis, queue	<b>R Program, Airline Hwy. / Jones (</b> d Jones Creek Road Extension tha and unmet demand traffic counts	<b>Creek Road TEPR Study, Baton Rouge, LA.</b> Traffic Engine t will connect Tiger Bend Road and Airline Highway. Assiste along the corridor, and traffic study report.	eering ed with
06/18 – Ongoing	<b>Coastal Protection and Restoration</b> <b>Plaquemines Parish, LA.</b> Planning, Diversion Channel to strategically re roadway design calculations, guardr details, cost estimating, and plan dev	on Authority (CPRA) of Louisiana engineering and design services ( introduce sediment and freshwate ail design, plan checking, temporar velopment.	<b>, SPN BA-0153, Mid-Barataria Sediment Diversion,</b> S1.5B CMAR Project) for the creation of the Mid-Barataria S r inputs into the Barataria Basin. Assisted with traffic report ry traffic control planning and design, typical sections, geor	ediment ; metric
11/19 – Ongoing	<b>City of New Orleans Department of</b> a complete reconstruction of 22 neig roadway, concrete sidewalks, concre infrastructure. Assisted in preliminar	of Public Works, Broadmoor Neig ghborhood blocks within the Broad ete curbs and/or gutters, driveway a y design, design plan development	ghborhood Reconstruction, New Orleans, LA. Project fa Imoor neighborhood in New Orleans. Reconstruction inclu aprons, waterlines, and stormwater system and correspon- t, and client meetings.	cilitates des the ding

08/17 – 09/19	Port of New Orleans, Nashville Ave Wharf Improvements, New Orleans, LA. The main improvements include upgrading the wharf deck to accommodate for larger rail-mounted cranes. Work includes designing a new rail and supporting crane beam and pilings, demolition and modification or portions of the existing dock, fender and mooring system improvements, and a new sheet pile toe wall along the face of the wharf. Assisted in waterline design, plan development, site visits, invoicing, and document control.
01/19 – Ongoing	<b>City of New Orleans Department of Public Works, Milan Group A, New Orleans, LA.</b> Project consisted of reconstruction/restoration of roadways in the Milan neighborhood, which is bounded by Napoleon Avenue, Claiborne Avenue, Louisiana Avenue and St. Charles Avenue. The project will consist of milling and overlaying with full depth patching of selected streets, incidental patching of other streets, sidewalk repairs, incidental repairs to drainage structures, and the installation of handicap ramps. Assisted in the tabulation of quantities and development of cost estimates.
09/18 - 05/19	Jefferson Parish Department of Public Works, Mounes Street Drainage Improvements, Jefferson Parish, LA. The project consists of the design of traffic control plans and technical specifications for drainage improvements along Mounes Street. Assisted in temporary traffic control design and drafting of plans.
10/17 – 12/18	Louisiana Department of Transportation, I-10 Design Build: Highland to LA 73, East Baton Rouge and Ascension Parishes. Design Build Project including a six mile I-10 widening to 6 lanes, replacement of an existing highland road overpass, reconstruction of I-10 on either side of Highland Rd, Bridge Widening over Bayou Manchac, improvements to the Highland Rd and LA 73 Interchanges, and rehabilitation of the LA 928 Overpass and two mainline Box Culverts. Assisted with document control and invoice review and attended construction progress meetings.

	Firm	AECOM T	AECOM Technical Services, Inc.			
	Name	Will Fullilove, El			Years of Relevant Experience with this Employer	<1
	Title	Road Des	ign Engineer		Years of Relevant Experience with Other Employer(s)	0
Degree(s)/	Years/Spe	ecialization		BS / 2022 / Civil Engineering		
Active Regi	istration I	Number/Stat	e/Expiration Date	EI.0035203/LA/03.31.2023		
Year Regist	ered	2022	Discipline	Engineer Intern		
Contract Role(s)/Brief Description of Responsibilities		Will will be assigned to road design services and he will be assisting the Project manager and other team member under this contract.				
Experience (mm/yy - n	e Dates nm/yy)	Experience a Experience c	xperience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc.			
09/20 – On	going	<b>Feasibility Study and Report / TEPR, College Drive, City of Baton Rouge / Parish of East Baton Rouge, Baton Rouge, LA.</b> Roadway Design / CADD Design. Project aims to provide access management, signalization and capacity improvements along College Dr. RFP includes a flyover exit ramp from I-10 westbound Ramp to College Drive. Assisted with estimating costs of high-level design concepts utilizing the DOTD Bid Tab spreadsheet.				
06/22 - 09/	'22	<b>Coastal Protection and Restoration Authority, Mid Barataria Sediment Diversion, Plaquemines Parish, LA.</b> Design of a new sediment diversion channel and highway relocation and bridge crossing over the new diversion channel. Provided CAD drafting and checked graphical grade elevations.				

Firm	AECOM 1	AECOM Technical Services, Inc.			
Name	Corey Serignea			Years of Relevant Experience with this Employer	29
Title	Road Des	ign Engineer		Years of Relevant Experience with Other Employer(s)	11
Degree(s)/Years/Sp	ecialization		Vocational Technical Certificate	es in Various Graphics/Drafting and Design Applications	;
Active Registration	Number/Stat	e/Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A		
Contract Role(s)/Br	ief Descriptio	n of Responsibilities	Corey will be supporting the Proje under this contract.	ect Manager and other team members for Road Design Ser	vices
Experience Dates (mm/yy - mm/yy)	Experience a Experience c	nd qualifications releva lates should cover the ti	nt to the proposed contract; i.e., "de ime specified in the applicable MPF	esigned drainage", "designed girders", "designed intersectic R(s).	on", etc.
2014 - 2017	S.P. No. H.011489.5: Safety Studies Retainer Contract, Low Cost Safety Improvements, LADOID, Statewide, LA. CA for the preparation of preparing Safety Improvement Plans (SIP) for 282 systemic curves located throughout the state of Loc tasks associated with this project include; site visits to the curves, plan preparation of safety countermeasures for each curve estimates for the plan set, and a pre-construction meeting with each DOTD district. Each site visit includes; a ball bank test, p existing conditions documentation of each curve. The plan preparation includes deriving safety countermeasures at each c preparing a letter size plan set of the safety countermeasures, including the Crash Modification Factors (CMFs) within the plan preparing cost estimates for the safety countermeasures. After the completion of each letter size plan sets, a meeting will be each District to discuss the countermeasures.		Preparation of safety countermeasures for each curve, cost of District. Each site visit includes; a ball bank test, photo includes deriving safety countermeasures at each curve k of the Crash Modification Factors (CMFs) within the plan she mpletion of each letter size plan sets, a meeting will be held	a. The and an ocation, eet, and with	
2010 - 2012	S.P. No. 700-92-0024: I-49 South, 11 Stage 0 Interim Improvements for Safety and Efficiency, Wax Lake Outlet to Berwick, LADOTD, St. Mary Parish, LA. Lead CADD designer assigned to this project. The goal of the project was to identify improvements in US 90 / I-49 corridor between Wax Lake and Berwick that can be implemented to improve safety and operations pending construction of I-49. These improvements can include partial construction of segments of I-49, rerouting of I-49, and improvements to US 90. Responsibilities include geometric design (horizontal and vertical) for Line/Grade Conceptual Drawings, analyzing and proposing sev alignments.			<b>c,</b> Its in the ction several	
06/18 – Ongoing	Coastal Protection and Restoration Authority, Station Project No. BA-0153: Mid Barataria Sediment Diversion, Plaquemines Parish, LA. CAD designer performed 3D modeling using Inroads to develop plan, profile, and typical sections for the relocation of LA23 across the proposed Mid Barataria Sediment Diversion Channel.				s for
06/21-Ongoing	<b>City of Baton Rouge/Parish of East Baton Rouge, College Drive Enhancements, Baton Rouge, LA.</b> CAD Designer to provide capacity and safety enhancements to the College Drive corridor. Developed plan and profile views of multiple alternatives of routing provements to support the design study. Future tasks include preliminary and final plans of the selected improvements.			rovide of road	
2007 - 2009	S.P. No. 817-40-0008: Siegen Lane Improvements (Highland Rd. to 650' south of Perkins Rd.), LADOTD and the City of Bat Rouge Dept. of Public Works, Baton Rouge, LA. CADD designer responsible for the development of design drawings for the construction of a four-lane divided roadway to replace the existing two-lane road. Responsibilities include design horizontal and ver- geometry of the new roadway.			: <b>on</b> ertical	

2012	<b>S.P. No. H.009998.1: Safety Retainer Contract LA 935 Feasibility Study, LADOTD, Ascension Parish, LA.</b> CADD designer for Stage 0 feasibility study in accordance with the results of the Roadway Safety Assessment (RSA). The study area is approximately a 4 mile segment of LA 935 from LA 431 to LA 22 in Ascension Parish. From the RSA three proposed alternatives were to be considered for a Stage 0.
2010 - 2012	S.P. No. 700-92-0024: I-49 South, 23 Stage 0 Interim Improvements for Safety and Efficiency, Raceland to Westbank Expressway, LADOTD, Lafourche, St. Charles, and Jefferson Parishes, LA. Lead CADD designer assigned to this project. The goal of the project was to identify improvements in the US 90 / I-49 corridor between Raceland and the Westbank Expressway that can be implemented to improve safety and operations pending construction of I-49. These improvements can include partial construction of segments of I-49, rerouting of I-49, and improvements to US 90. Responsibilities include geometric design (horizontal and vertical) for Line/Grade Conceptual Drawings, analyzing and proposing several alignments.
2016 - 2017	<b>LADOTD Safety Studies Retainer Contract, US 190 Barrier Feasibility Study, St. Tammany Parish, LA.</b> CADD designer for the study of a median barrier within the limits of an existing structure on LA 22. Tasks within this study include existing data collection, geometric layout analysis, safety analysis, field review, bridge rating and structural analysis. A comprehensive report detailing findings of existing conditions, preliminary plans of a preferred alternative for a barrier system on an existing structure, and a safety analysis of the barrier system.

Firm	AECOM Technical Services, Inc.			
Name	Oscar Aliva		Years of Relevant Experience with this Employer	24
Title	Road Design Engineer		Years of Relevant Experience with Other Employer(s)	12
Degree(s)/Years/Sp	ecialization	Engineering Graphics & Archite	ctural Design	
Active Registration	Number/State/Expiration Date	N/A		
Year Registered	N/A Discipline	N/A		
Contract Role(s)/Bri	ef Description of Responsibilities	Oscar will be supporting the Proje During Env Process services und	ect Manager and other team members for Road Design Server this contract.	vices
Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant Experience dates should cover the time to the time	nt to the proposed contract; i.e., "de ime specified in the applicable MPP	esigned drainage", "designed girders", "designed intersectio R(s).	on", etc.
05/13-07/15 S.P. No. H.001779.5: Red River Br project consists of providing all new Assessment (SEA) in accordance w Administration's regulations and gu structures as well as organizing pr		Ige at Jimmie Davis Highway (LA essary engineering and related sen- th the National Environmental Polic delines. Responsible for geometric paring and producing deliverable s	<b>S511) EA, LADOTD, Bossier and Caddo Parishes, LA.</b> The vices required to prepare a Supplemental Environmental by Act (NEPA), as amended, and the Federal Highway design (horizontal and vertical) of at-grade and elevated ets of plans and exhibits for the report and for public meeting and the report and the report and for public meeting and the report and th	ie ngs.
10/00-10/05	S.P. No. H.004273.5, I-49 South Lafayette Regional Airport to LA 88 EIS, LADOTD, Iberia, Lafayette, and St. Martin Par Responsible for creating 3D models of several bridge alternatives, assisting on bridge quantity calculations, and creating proju- rolls.		B EIS, LADOTD, Iberia, Lafayette, and St. Martin Parishe sting on bridge quantity calculations, and creating project c	<b>es, LA.</b> Corridor
09/17-10/18	8 <b>St. Bernard Port &amp; Terminal Intersection Improvement, Chalmette, LA.</b> Responsible for developing 3D model of the proposed roadway and will also prepare Cross Section, Plan and Profile, Detour Plans and Typical Sections.			b
12/15-08/16 Mississippi Department of Transportation (MDOT), SR 172 at Little Yellow Creek and Ellington Branch (Bridge Nos Tishomingo County, MS. AECOM will prepare Phase A Preliminary roadway plans for the bridge replacement at Little Yello (Bridge No. 0.9) and Ellington Branch (Bridge No. 2.3) on SR 172. The Phase A Roadway plans shall be developed based upor bridges via road closures. Roadway plans shall conform to Roadway Design Division's CADD specifications as described in Design Division's CADD USER'S MANUAL. Oscar is responsible for developing a 3D model from DTM of the proposed road bridges, and will also prepare cross section, plan and profile, detour plans, and typical sections.		<b>Yellow Creek and Ellington Branch (Bridge Nos. 0.9)</b> , adway plans for the bridge replacement at Little Yellow Cree ase A Roadway plans shall be developed based upon repla esign Division's CADD specifications as described in Roadw eloping a 3D model from DTM of the proposed roadway an ns, and typical sections.	∛k cing vay id	
12/15-08/16	MDOT SR 182 Over Vernon Branch (Bridge No. 178.6), Lowndes County, MS. AECOM prepared Phase A Preliminary roadway p for the bridge replacement at Vernon Branch (Bridge No. 178.6) on SR 182. The Phase A roadway plans were developed based upor replacing bridges via road closures. Oscar is responsible for developing a 3D model of the proposed roadway and bridge from DTV will also prepare cross section, plan and profile, detour plans, and typical sections.		plans on M, and	
2016 - Ongoing	<b>Coastal Protection and Restorat</b> <b>Plaquemines Parish, LA.</b> CAD des the relocation of LA23 across the p	<b>ion Authority, Station Project I</b> signer performed 3D modeling u proposed Mid Barataria Sedimen	No. BA-0153: Mid Barataria Sediment Diversion, sing Inroads to develop plan, profile, and typical section t Diversion Channel.	s for

Firm	Forte & Tablada, Inc.	Forte & Tablada, Inc.			
Name	Chad A. Bacas, P.E.		Years of Relevant Experience with this Employer	26	
Title	Task Lead - Road Design - Team	12	Years of Relevant Experience with Other Employer(s)	1	
Degree(s)/Years/Sp	pecialization	BS / 1998 / Civil Engineering MBA / 2001 / Business Adminis	tration		
Active Registration	Number/State/Expiration Date	PE: 28786/LA/09.30.2023			
Year Registered	2000 Discipline	Civil Engineer			
Contract Role(s)/Brief Description of Responsibilities		Mr. Chad is the task lead road design - team 2 for this projects he will work under the contract and amend the Standard Specifications and Supplemental Specifications in the current editions of DOTD's Standard Specifications for Road and Bridges and Supplemental Specifications. He also provide construction support services to review and address Requests for Information (RFI's) from the DOTD's construction contractor.			
Experience Dates (mm/yy - mm/yy)	Experience and qualifications releva Experience dates should cover the t	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).			
11/18 - Ongoing	<b>Nicholson Drive (LA 30) Segment 1, East Baton Rouge Parish, LA.</b> Project Lead responsible for overseeing the design study, topographic surveying, environmental, engineering design and construction observation for the construction that will include roadway widening (2 lanes to 4 lanes), bicycle and pedestrian pathways and closed drainage (where necessary) to support higher traffic volumes along Nicholson Drive.				
01/17 – 01/19	Ben Hur Road at Nicholson Dr. Re-Alignment, East Baton Rouge Parish, LA. Project Engineer for a design study, final construction plans, surveying services, and right-of-way mapping for a modified intersection configuration that includes Nicholson Drive/LA30 widening and Ben Hur Road realignment.			ction	
01/16 – 07/18	<b>Gardere Lane Pedestrian Improvements, East Baton Rouge Parish, LA.</b> Project Manager for the design of a five-foot sidewalk along the south side of Gardere Lane (LA 327) from Nicholson Drive (LA 30) to Burbank Drive (LA 42). Gardere Lane pedestrian crossing and related subsurface drainage was developed in accordance with the Green Light Program 3 Concept Plan. This project included a corridor study, topographic surveys, a design study, environmental studies, and final plans.				
06/06 – 10/08	Veterans Memorial Boulevard Extension, East Baton Rouge Parish, LA. Project Manager responsible for Design Study, Topographic Survey, ROW Surveys and Maps, Environmental assessment and 404 permit, and Final Plans for extending the roadway 3,720 feet to add a four-lane concrete curb and gutter roadway for a boulevard section with sub-surface drainage. This project was part of the Green Light Plan Program for EBR Parish.			graphic to add n Light	

09/18 - Ongoing	LA 447 Access Management (I-12 – US 190), Livingston Parish, LA. Developed a conceptual layout for the City of Walker as an alternative to an outdated DOTD study to remove the center turn lane from the five-lane section throughout this heavily traveled commercial corridor. The conceptual layout considered new commercial development including an urgent care center and carwash as well as the new city hall that is under construction on a side road within the corridor.
01/12 - Ongoing	Cook Road Extension and Design Study, Livingston Parish, LA. Project Manager for improvements to an existing section of two lane roadway and an unimproved area with the construction of a four (4) lane boulevard section from LA Hwy 16 (Pete's Hwy) to LA Hwy 1026 (Juban Road), along with several bridges. The roadway design includes a roundabout at the intersection of Cook Road and Pete's Hwy. Services provided for this project include project management, a Line and Grade Study, Topographic Surveying, Environmental Services, Right-of-Way surveying, Right-of-Way plans, Title Take Offs, Design Engineering,
01/11 – 01/14	<b>Cockerham Road Improvements, Livingston Parish, LA.</b> Project Manager for the Preliminary and Final design plans for improvements to Cockerham Road, working with district engineers to develop a safety and enhancement project from LA 16 to Hatchell Road. Improvements included pavement patching and overlay design, hydraulic analysis for installation of storm drain pipe and catch basins, and design of 4,000 feet of concrete walkways and drives.
04/11 – 01/19	Wax Road Improvements, Livingston Parish, LA. Project Manager responsible for the Stage 0 planning analysis, Preliminary Scope, Budget Checklist, mill and overlay design, and Stage 3 engineering design for this roadway improvement project. Urban Systems completed the traffic counts as a subconsultant. Improvements were needed due to a failed roadway. The project provided a new thicker base and thicker overlay to support new higher traffic volumes and the southern half of the roadway was widened additionally.
05/13 - Ongoing	Old Hammond Highway - Segment 1 - East Baton Rouge Parish, LA. Project Manager responsible for an environmental study and engineering services to design and construct a fourlane boulevard with a raised median and turn lanes. The study proposed bike lanes on both sides of the roadway and one sidewalk located on the east side of Old Hammond Highway to improve connectivity for cyclists and pedestrians in the area. The project will also include traffic signalizations, utility relocations, testing, lighting, landscaping, right-of-ways, and environmental mitigation.

	Firm	Forte & T	Forte & Tablada, Inc.			
65	Name	Allison Sc	hilling, PE		Years of Relevant Experience with this Employer	4
No.	Title	Road Des	ign - Team 2		Years of Relevant Experience with Other Employer(s)	35
Degree(s)/	Years/Spe	ecialization		BS/1998		
Active Reg	istration I	Number/Stat	e/Expiration Date	PE.30265/LA/09.30.24		
Year Regist	tered	2002	Discipline	Civil Engineering		
Contract Role(s)/Brief Description of Responsibilities		n of Responsibilities	Allison will be the road design - te work under the contract and ame in the current editions of DOTD's S Specifications. She will provide co Information (RFI's) from the DOTD reviews but not limited to constru-	am 2 engineer and Quality Plan Reviews for this projects sh nd the Standard Specifications and Supplemental Specific Standard Specifications for Road and Bridges and Supplem onstruction support services to review and address Reques 's construction contractor. She also perform detailed engin ction plans, cost estimates, and special provisions for this p	e will ations iental sts for ieering project.	
Experience (mm/yy - r	e Dates mm/yy)	Experience intersection	and qualifications relev ", etc. Experience date:	, vant to the proposed contract; i.e s should cover the time specified	., "designed drainage", "designed girders", "designed I in the applicable MPR(s).	
01/17-01/1	01/18 <b>US 80 at Old Benton Rd. Roundabout, Bossier, LA.</b> Developed conceptual layout as well as preliminary and final plans for roundabout at US 80 and Old Benton Rd. in Bossier, LA. This roundabout is currently under construction as a permit project sponsored by the City of Bossier.			r t		
10/18-5/19	)	H.000445.1-1- US 190 over UPRR and Little Teche Bayou, St. Landry Parish, LA. Project Engineer for this project that developed a scoping document for the replacement or rehabilitation of the EB and WB US 190 bridges over the Union Pacific Railroad (UPRR) near I-49 and over Little Teche Bayou in St. Landy Parish, LA. Based on the findings, a Bridge Evaluation Report outlining the feasibility and preliminary cost estimates for several construction phasing alternatives, as well as a recommended scope of work, was developed.				fic port nded
2018		LA 16 (Pete's Highway) at Cook Rd. Roundabout – Denham Springs, LA. Worked as part of the Forte & Tablada team in reviewing the conceptual layout and preliminary design for roundabout at LA 16 and Cook Rd. in Denham Springs, LA. This project is currently in the final plan design phase.			project	
2010-2012	2	Multiple Roundabout Projects, Multiple Sites, LA. Project Manager and supervised staff in the design of a roundabout at the intersection of US 190 and LA 434 in Bayou Lacombe, LA. Also worked as District Project Manager for the 3 roundabouts at the I-12 and US 51B interchange in Hammond, LA as well as the roundabout at the intersection of LA 1077 and LA 1085 in Madisonville, LA.				
01/08-06/0	09	<b>LA 3158 (Ai</b> at the all-wa project after	rport Road at Old Cov y stop controlled inters construction was con	<b>vington Hwy. Roundabout).</b> Dev section of LA 3158 (Airport Rd.) a nplete to add landscaping to prov	veloped preliminary and final plans to construct a round nd Old Covington Hwy. in Hammond, LA. Led a separate vide additional visibility of the roundabout.	about e

01/05-03/07	<b>LA 36/LA 59 (Abita Springs Roundabout).</b> This was the first roundabout constructed in District 62 and only the second one constructed in Louisiana. Mrs. Schilling developed conceptual drawings and presented to the Mayor of Abita Springs and the State Representative for the area for approval. The project involved purchasing a building within the Abita Springs Historic District several public meetings were required. The project involved minimizing impacts to a local park in one quadrant of the intersection, realignment of the Tammany Trace, converting a city street to a one-way street, paving of a gravel city street for maintenance of traffic during construction and realignment of a bank entrance driveway and city street to provide adequate distance from the roundabout. Mrs. Schilling met regularly with the local elected officials and business owners throughout the design of the project to discuss aspects of the project and added numerous improvements to mitigate impacts to the businesses and facilitate the movement of traffic through the area during construction. She also worked closely with FHWA and submitted the project for a FHWA "peer review" to ensure that the roundabout met design criteria used in other states. The project was late used a model in developing DOTD's Context Sensitive Solutions Policy.
01/10-05/12	<b>Cockerham Drive Improvements, Livingston Parish, LA.</b> Project Manager for the Preliminary and Final design plans for improvements to Cockerham Road, from Hatchell to Burgess Avenue. Improvements included pavement patching and overlay design, hydraulic analysis for installation of storm drain pipe and catch basins, and design of new concrete walkways and drives. This project provided safety and complete street enhancements along Cockerham Drive.
01/10-08/11	I-12 (LA 1026 – LA 447) Juban to Walker Widening. Developed preliminary and final plans to widen I-12 from 4 to 6 lanes. The project included widening the roadway to the inside, installation of cast-in-place median barriers with conduit for future lighting and overlaying the existing interstate travel lanes.
01/11-06/13	I-12/US 190 EB Exit Improvements in Covington/Mandeville. Developed preliminary and final plans to widen the eastbound exit to a double exit. The project included the geometric changes to the exit ramp, lengthening of the existing deceleration lane, overhead sign trusses, and guardrail.
01/07-04/09	LA 1040 (LA 1040 – US 51) Old Baton Rouge Highway Realignment. Developed preliminary and final plans to realign LA 1040 (Old Baton Rouge Highway) in Hammond to provide greater separation of the signalized US 51/US 190 and US 51/LA1040 intersections. The project included subsurface drainage, utility relocations, and partnering with the City of Hammond to acquire the right-of-way. The existing alignment was transferred to the City of Hammond after the project was complete.
01/06-06/10	LA 1032 (US 190 – River Road) Realignment of River Road in Denham Springs. Developed preliminary and final plans to realign LA 1032 (River Road) in Denham Springs to remove a "jog" in the roadway alignment on US 190. The project involved right-of-way acquisition, special design of a reverse crown at the US 190 intersection to minimize drainage impacts, and right-of-way taking to an adjacent business. It also involved working closely with private homeowners impacted by the realignment and transfer of a portion of River Road to the City of Denham Springs after the construction was complete.
01/05-07/06	LA 1019 (LA 64 – LA 16) Safety improvements. This project involved widening and overlay of LA 1019 to improve safety throughout the heavily travelled suburban corridor. Plans included redesign of roadway cross slope and superelevation for numerous curves throughout the project limits, the installation of raised pavement markers along both edges of the pavement for improved nighttime visibility, clearing and grubbing of the tree lines to improve sight distance from the numerous side streets and the addition/modification of the turn lanes at LA 16 while protecting a 100+ year oak tree. The project was the first project in Louisiana to include centerline rumble strips as a countermeasure to reduce head on crashes.

Firm	Forte & Tablada, Inc.			
Name	Tyler Branch, P.E.		Years of Relevant Experience with this Employer	10
Title	Road Design - Team 2		Years of Relevant Experience with Other Employer(s)	0
Degree(s)/Years/Sp	pecialization	BSCE / 2012 / Civil Engineering		
Active Registration	Number/State/Expiration Date	PE; 41576/LA/09.30.2023		
Year Registered	2017 Discipline	Civil Engineering		
Contract Role(s)/Brief Description of Responsibilities		Tyler will work on road design serv as necessary which will be contai work under the contract and ame in the current editions of DOTD's s Specifications.	vices to develop written directions, provisions, and requirem ned in the project's contract documents that describe requi nd the Standard Specifications and Supplemental Specifica Standard Specifications for Road and Bridges and Supplem	ents red ations ental
Experience Dates (mm/yy - mm/yy)	Experience and qualifications releval Experience dates should cover the ti	nt to the proposed contract; i.e., "do ime specified in the applicable MPI	esigned drainage", "designed girders", "designed intersectic R(s).	on", etc.
01/15 - 01/22	<b>Cook Road Corridor Study.</b> Served as a road designer for new and extended roadway and sidewalks and performed corridor to determine the amount of required right-of-way for a proposed road extension in Livingston Parish.			deling
01/19 – 12/19	<b>New Orleans Lakefront Airport Pavement Preservation.</b> Served as the lead designer and project engineer for the drainage asp of the runway overlay project in New Orleans, LA, designing the cross drain and pavement underdrain systems while working in a subconsultant role.			pects
01/19 – 12/19	<b>BTR Airpark Boulevard Extension.</b> Served as the lead designer and project engineer for the \$2M± road extension project in East Baton Rouge Parish, designing the alignments, profiles, geometrics, grading, drainage etc., and served as the project engineer during the construction phase of the project attending meetings, reviewing and recommending acceptance of pay applications, finding solution problems that arose in the field, coordinating dedication of right-of-way.			t ing the tions to
10/19 - 12/21	<b>Peak Lane Improvements, Livingston Parish, LA.</b> Served as the lead designer and project engineer for the road preservation project Walker, LA, designing the alignments, profiles, geometrics, drainage etc.			roject in
2013	Gillis Long Center Western Entrance Road, Carville, LA. Served as a designer and helped design an expanded entrance road to the Gillis Long Center in Iberville Parish.			o the
01/19 – 12/19	Walker City Hall, Walker, LA. Served as the project manager for the civil site design associated with the 26,000± sq. ft. building in Wal LA (Livingston Parish), overseeing the design of the parking, geometrics, grading, drainage, site utilities, etc., and coordinating with utilit companies, City personnel, and other design team disciplines.			ı Walker, utility
06/14 - 12/14	LA 3115 Relocation. Served as the road designer and performed the horizontal design of the proposed alignment of LA 3115 in Iberv Parish.			perville
01/19 – 12/19	<b>McClellan Street Rehabilitation.</b> Se Barracks, New Orleans, LA, overseei	erved as the designer and project i ng the design of the alignments, pr	manager for the pavement preservation project in Jackson rofiles, geometrics, drainage, etc.	

12/11 – 09/15	<b>LRA Bridge Replacement.</b> Served as the road designer and performed the hydrologic and hydraulic analysis for existing timber bridge replacements in Livingston Parish.
08/17 – 12/21	Benton Lane Improvements, Livingston Parish, LA. Served as the lead designer and project engineer for the road preservation project in Denham Springs, LA, designing the alignments, profiles, geometrics, drainage etc.
01/14 – 12/14	Old Hammond Highway, Segment 1 Intersection Design Study, East Baton Rouge Parish, LA. Served as a road designer and performed the horizontal and vertical design for the proposed intersection improvement and performed the hydrologic and hydraulic analysis for an existing timber bridge replacement as part of the Green Light Plan in the City of Baton Rouge/East Baton Rouge Parish.
2013	Plantation Avenue Overlay, Livingston Parish, LA. Served as a designer during preliminary phase of the design, performing horizontal and vertical design of the road and drainage design through LA DOTD in Livingston Parish.
2013	Wax Road Overlay, Livingston Parish, LA. Served as a designer during preliminary phase of the design, performing horizontal and vertical design of the road and drainage design through LA DOTD in Livingston Parish.

0	Firm	Forte & Ta	Forte & Tablada, Inc.				
25	Name	Kresten B	rown, P.E		Years of Relevant Experience with this Employer	11	
	Title	Road Des	ign - Team 2		Years of Relevant Experience with Other Employer(s)	0	
Degree(s)/	Years/Sp	ecialization		BSCE / 2011 / Civil Engineering			
Active Reg	istration	Number/Stat	e/Expiration Date	PE; 39998/LA/03.31.2024			
Year Regist	tered	2015	Discipline	Civil Engineer			
Contract Role(s)/Brief Description of Responsibilities		Kresten will work on road design services, special provision write ups to develop written directions, provisions, and requirements as necessary which will be contained in the project's contract documents that describe required work under the contract and amend the Standard Specifications and Supplemental Specifications in the current editions of DOTD's Standard Specifications for Road and Bridges and Supplemental Specifications.					
Experience (mm/yy - r	e Dates nm/yy)	Experience a Experience d	nd qualifications releval lates should cover the ti	nt to the proposed contract; i.e., "de ime specified in the applicable MPf	esigned drainage", "designed girders", "designed intersectio R(s).	on", etc.	
11/18 - Ong	going	Nicholson D HWY 30 as pa	rive at Brightside Land art of the Green Light Pl	<b>e and West Lee Drive, Baton Rou</b> an Program.	<b>ge, LA.</b> AD Designer for developing preliminary plans to wi	den LA	
01/15 - Ong	going	<b>Cook Road,</b> Way surveyin with sidewalk	Livingston Parish, LA. Ig and Right-of-Way plan Is and subsurface draine	Project Engineer for Line and Grac ns, design engineering, and constr age for a connection between Jub	de Study, topographic surveying, environmental services, R uction plan for the proposed construction of a 4-lane bould an Road (LA Hwy 1026) and Pete's Highway (LA Hwy 16).	ight-of- evard	
01/12 - 11/	13	Landscape I and west side preparation v	Enhancement Grant, V es of the LA 447 corrido vhere the new planting b	<b>Valker, LA.</b> Engineer Intern for the or from Aydell Lane to Pendarvis La beds are to be installed and a small	design of plantings for approximately 0.77 miles along the end in Walker. Landscaping will involve clearing and other be amount of fine grading may be necessary in those areas.	east ed	
06/11 - Ong	going	<b>Holden Sidewalk Program, Livingston Parish, LA.</b> Project engineer for new construction and rehabilitation of existing sidewalks alou LA Highway 190 and LA Highway 441. Funded by the LaDOTD Enhancement Fund. Provided Engineering for construction plans and specifications for ADA compliant sidewalk additions and improvements.					
08/15 – 09/	/18	Northside Elementary School Sidewalks, Livingston Parish, LA. Project engineer to implement ADA compliant sidewalks and crosswalks on four streets surrounding Northside Elementary School in Denham Springs.					
09/14 - Ong	going	Forrest Dela surveying, en overlay, and c	<b>itte Road Improvemen</b> ivironmental, engineerir closed drainage to supp	<b>its, Livingston Parish, LA.</b> Projecting design, and construction observiort higher traffic volumes and later	t Engineer responsible for the Stage 0 services including vation for the roadway improvements which include patchir ral support of the pavement.	ıg,	
01/12 - 01/	18	Walker Industrial Park, Phases I, II, and III, Walker, LA. Project Engineer assisting with the road design for the rehabilitation and reconstruction of Walker Industrial Park Road Extension Project. Engineer responsible for design conformity and construction administration of the roadway and utility project to extend the existing industrial park roadway through to US 190 to create the industri park loop.					

01/15 - Ongoing	West Colyell Creek Drainage Improvements, Livingston Parish, LA. Project Engineer responsible for completing the topographic and house pads surveys, completing a hydraulic study, preparing bid documents (drawings and specifications), and obtaining all necessary permits, will provide construction administration services, construction observation, and inspection services for improvements to West Colyell Creek for a HMGP funded project. The improvements will widen and realign the creek.
10/19 - 09/21	<b>City-Wide Drainage Study and Improvements, Walker, LA.</b> Project Engineer for the study of 3 regions within the City known to have significant drainage issues. Project is currently ongoing, however the goals will be to identify minor issues that can be addressed by City employees as well as begin designing and planning for larger watershed improvement projects.
01/14 – 01/18	South Satsuma Bridge Replacement, Livingston Parish, LA. Project Engineer for engineering design services to replace a 100ft wooden span bridge with 140 foot concrete bridge under the Hazard Mitigation Grant Program with Livingston Parish. The bridge was causing upstream flooding during low frequency rain events and needed to be replaced. Forte and Tablada provided topographic surveying, engineering, and hydraulic analysis services for the HMGP bridge replacement as well as construction management services. Forte and Tablada provided management for the project throughout the FEMA process and provided the Benefit Cost Analysis (BCA) and hydraulic and hydrologic study to get the project all the way through to implementation.
09/18 - Ongoing	LA 447 Access Management (I-12 – US 190), Livingston Parish, LA. Project Engineer for this project that developed a conceptual layout for the City of Walker as an alternative to an outdated DOTD study to remove the center turn lane from the five-lane section throughout this heavily traveled commercial corridor.

Fire Fire	m For	e & <sup>-</sup>	Tablada, Inc.			
Nar	ne Jof	Joffrey E. Easley, P.E			Years of Relevant Experience with this Employer	15
Title	e Bric	Bridge Design Engineer			Years of Relevant Experience with Other Employer(s)	3
Degree(s)/Years	s/Specializa	ion		BSCE / 2000 / Civil Engineering MSCE / 2003 / Civil Engineering	9	
Active Registrat	tion Numbe	/Sta	te/Expiration Date	PE; 31542/LA/03.31.2023		
Year Registered	1 2	04	Discipline	Civil Engineer		
Contract Role(s)/Brief Description of Responsibilities		Joffrey will work on roade design - team 2, special provision write ups for bridge design to develop written directions, provisions, and requirements as necessary which will be contained in the project's contract documents that describe required work under the contract and amend the Standard Specifications and Supplemental Specifications in the current editions of DOTD's Standard Specifications for Road and Bridges and Supplemental Specifications.				
Experience Dat (mm/yy - mm/y	tes Experi /y) Experi	nce	and qualifications releva dates should cover the t	nt to the proposed contract; i.e., "do ime specified in the applicable MPI	esigned drainage", "designed girders", "designed intersection" R(s).	on", etc.
03/18 - Ongoing	g <b>LADC</b> using L areas.	<b>d R</b> RFR I	etainer Contract for Br oad rating methodology	r <b>idge Rating – Statewide, LA.</b> Loa v. Bridges range from slab span bric	d rating of approximately 200 existing bridges across Louis Iges on local roads to elevated Interstate bridges in metrop	siana oolitan
10/15 - 04/19	LA DO bridge	DR betv	etainer Contract for Bi ween Baton Rouge and L	ridge Preservation – Statewide, I Lafayette.	<b>.A.</b> Inspection and development of repair plans for several	I-10
01/15 – 09/17	Holly I Tamma	<b>rive</b> ny Pa	Bridge Replacement, s arish, Louisiana. Provide	<b>St. Tammany Parish, LA.</b> Developed a load rating for the new design o	ed plans for the replacement of an existing timber bridge in f the bridge.	St.
12/12 - 01/22	Cook access accom	<b>oad</b> to th noda	Expansion, Livingston e Juban Crossing shop ate sidewalks for pedest	<b>Parish, LA.</b> Designed and produc oing center by extending Cook Roa rian use.	ed plans for new bridges over Gray's Creek to provide addi ad off of Pete's Highway. Bridge includes special details to	tional
06/15 - 06/16	East B sidewa review	<b>East Baton Rouge Parish Bridge Replacements.</b> Provided design services and load rated multiple slab span bridges that incorporated sidewalks. Design services included determination of pile loads, superstructure and substructure design, and independent technical review of completed plans.				
05/13 – 12/14	Musso bridge existin	Musson Lane Bridge Replacement, Iberville Parish, LA. Performed a detailed structural inspection and load rating of the existing bridge constructed of precast concrete spans and timber caps and piles. Developed plans and specifications for the replacement of the existing bridge with a new precast concrete slab span bridge.				
02/13 – 11/14	<b>2012 L</b> concre	<b>2012 Livingston Parish Bridge Replacement Program.</b> Replacement of seven bridges with precast concrete slab spans and precast concrete arch bridges in an effort to improve drainage. Reviewed final plans and designed precast concrete arch bridge substructures.				
04/13 - 06/14	Wax R Greys	<b>ad E</b> reek	Bridge over Miller Cana an Livingston Parish.	<b>I, Livingston Parish, LA.</b> Bridge d	esign engineer for the replacement of the Wax Road bridge	eover

01/13 - 01/15	Chimes Street Bridge Replacement, East Baton Rouge Parish, LA. Performed structural design for a 3-barrel box culvert to replace an existing slab span bridge. Box culvert required unique design due to site constraints.
01/14 - 01/20	Buddy Ellis Road Overlay and Bridge Replacement, Livingston Parish, LA. Bridge design engineer for the replacement of the existing timber bridge on Buddy Ellis Road near LA Highway 447 in Livingston Parish.
01/14 - 01/21	<b>Forrest Delatte Road Improvements and Bridge Replacement. Livingston Parish, LA.</b> Bridge design engineer for the replacement of the existing timber bridge over Grays Creek on Forrest Delatte Road in Livingston Parish.
01/14 – 01/20	<b>Travis Street and George Mashon Road Bridge Replacements, Livingston Parish, LA.</b> Bridge design engineer for the replacement of the existing timber bridges on Travis Street in Walker, LA and George Mashon Road near Albany, LA in Livingston Parish. The Travis Street bridge is being replaced with precast concrete box culverts and the George Mashon Road bridge is being replaced with curved concrete slab spans.
11/14 – 08/16	Whittington Road Bridge Replacement, Livingston Parish, LA. Bridge design engineer for the replacement of the existing timber bridge on Whittington Road near LA Highway 16 in Livingston Parish with concrete slab spans as part of the off-system bridge replacement program.

Firm	Forte & Tablada, Inc.					
Name	Joshua Ory	Joshua Ory		ars of Relevant Experience with this Employer	18	
Title	Roadway Design - Spec	al Provisions Write Ups	Ye	ars of Relevant Experience with Other Employer(s)	5	
Degree(s)/Years/Sp	ecialization	Associate Degree / 1999/	/ Drafting a	and Design		
Active Registration	Number/State/Expiration D	ate N/A				
Year Registered	N/A Discipline	N/A				
Contract Role(s)/Br	ief Description of Responsik	ilities Joshua brought numerous construction inspection an Special Provisions Write Up	Joshua brought numerous experience in civil design and has worked for LA DOTD including construction inspection and observation experience. For this project he will be the Roadway Design - Special Provisions Write Ups support for Road and Bridges and Supplemental Specifications.			
Experience Dates (mm/yy - mm/yy)	Experience and qualification Experience dates should co	s relevant to the proposed contract ver the time specified in the applicat	;; i.e., "desig ole MPR(s).	ned drainage", "designed girders", "designed intersection	on", etc.	
01/14 - Ongoing	Juban Road Extension – Li determination and update th construction plans and cons Lockhart Road (LA Highway	<b>vingston Parish, LA.</b> Senior Civil De e environmental Phase I, Right-of-W struction observation for the constru 1026).	esigner for /ay survey uction of a	topographic survey, line and grade plans, wetlands and maps, prepare corps permit and wetland mitigatior roadway for a connection between US Highway 190 an	n, d	
01/15 - Ongoing Right-of-Way surveying and Right-of project representative Services all fc		<b>rish, LA.</b> Senior Civil Designer for Li Right-of-Way plans and Abstracting ces all for the proposed construction and Pete's Highway (LA Hwy 16).	ine and Gra Jegal work n of a 3-lar	ade Study, Topographic Surveying, Environmental Serv , design engineering, construction engineering and res ne roadway and subsurface drainage for a connection b	ices, sident between	
11/18 - Ongoing	Nicholson Drive (LA 30) In Designer for the Design Stu- for the 1.08 mile segment. T calculated stormwater runo	ersection Improvements, Gourrie dy that discusses the existing and pr ne drainage objectives were to provi f and to provide a hydraulic analysis	er Lane to roposed lar ide an oper of existing	<b>Brightside Drive, East Baton Rouge Parish, LA.</b> Sen ne configuration, alignments, traffic signalization, and d n ditch and subsurface stormwater sewer system to ha and proposed cross sections.	ior Civil rainage ndle the	
09/16 - 10/08	Veterans Memorial Boulev Way mapping and finals plar	ard Extension – Iberville Parish, L s for the extension of the roadway b	<b>A.</b> Senior ( by 3,720 fee	Civil Designer for design study, topographic survey, Rigl et.	ht-Of-	
10/08 - 04/20	Nicholson Drive at Brights topographic survey, propert Parish of East Baton Rouge	ide Lane/West Lee Drive Intersec y survey, preliminary and final desigr o obtain Right-of-Way permitting.	<b>ction – Eas</b> n plans for t	<b>t Baton Rouge Parish, LA</b> . Senior Civil Designer for the the intersection improvements. Currently waiting for Ci	e ty/	

Part of the second seco	Firm         Forte & Tablada, Inc.					
200	Name	Bradley Holleman, PE, PLS		Years of Relevant Experience with this Employer	1	
	Title	Special Provisions Write Ups		Years of Relevant Experience with Other Employer(s)	14	
Degree(s)/\	Years/Sp	ecialization	BSCE/2009/Civil Engineering			
Active Regi	istration	Number/State/Expiration Date	PE 47165/LA/03.31.2023   PLS	5082/LA/09.30.2024		
Year Regist	ered	2012 Discipline	Land Surveying			
Contract Role(s)/Brief Description of Responsibilities		ef Description of Responsibilities	Brad has extensive experience in performing transportation related surveys for parish and municipal governments as well as the Louisiana Department of Transportation and Development (LA DOTD). Brad's experience includes topographic surveys for roadway design, bridge LiDAR scanning/ modeling for bridge replacement or rehabilitation, off-system bridge surveys, bridge monitoring surveys, existing drainage maps and right of way mapping. Brad will be the special provision write ups support to develop written directions, provisions, and requirements as necessary which will be contained in the project's			
Experience (mm/yy - n	e Dates nm/yy)	Experience and qualifications relevintersection", etc. Experience date	, vant to the proposed contract; i.e s should cover the time specified	e., "designed drainage", "designed girders", "designed d in the applicable MPR(s).		
09/18 – 11/2	20	<b>Nelson Road Extension - LA DOTD - South Louisiana Survey Retainer.</b> Surveyor-in-Charge for the property survey and right of way map. This project was for the construction of a of a new route connecting Nelson Road to the port in Lake Charles. The work consisted of conducting field and office analysis to determine the existing right of way and produce a set of right of way maps, ac cording to LA DOTD specifications, for acquisition of parcels required for construction.				
01/18 - 04/2	20	I-10: LA 415 to Essen Lane. Survey widening design of Interstate 10 fro graphic survey, according to the LA along with finished floor elevations	yor-in-Charge for the topographic m LA 415 to Essen Lane in East E DOTD Location and Survey Man of all building that fall within the su	c survey and 3D Mobile laser scanning. This project was f Baton Rouge Parish. The work consisted of completing a ual, including all utilities with depths and all drainage requi urvey limits.	or the topo- ired	
04/18-09/	/18	I-10: La 328 to La 347 - LA DOTD map. This project was for the const ducting field and office analysis to o specifications, for acquisition of par	- South Louisiana Survey Retain ruction of improvements along In determine the existing right of way reels required for construction.	<b>ner.</b> Surveyor-in-Charge for the property survey and right terstate 10 from LA 328 to La 347. The work consisted o y and produce a set of right of way maps, according to LA	f con- DOTD	
02/20 – 08/	/20	LA 73: US 61 (Airline) to Essen Lane. Surveyor-in-Charge for the topographic survey and 3D Mobile laser scanning. This project was for the design of improvements to Jefferson Highway from Airline to Essen Lane in East Baton Rouge Parish. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all drainage required along with finished floor elevations of all buildings that fall within the survey limits.				
12/14 – 03/	16	H.011137 & H.011152: I-12 (LA 21 scanning and existing drainage map work consisted of completing a top depths and all drainage required alc	I to LA 59), St. Tammany Parish, b. This project was for widening of ographic survey, according to the ong with finished floor elevations o	, <b>LA.</b> Surveyor-in-Charge for the topographic survey, 3D I Interstate 12 from LA 21 to La 59 in St. Tammany Parish A DOTD Location and Survey Manual, including all utilit of all building that fall within the survey limits.	aser The ies with	

07/19 – 01/20	LA 44: Widening and Roundabout. Surveyor-in-Charge for the property survey and right of way map. This project was for the con- struction of a widening and roundabouts along La 44 in Ascension Parish. The work consisted of conducting field and office analysis to determine the existing right of way and produce a set of right of way maps, according to LA DOTD specifications, for acquisition of parcels required for construction.
03/20 – 07/20	LA 98: Roundabout at Mills Street. Surveyor-in-Charge for the property survey and right of way map. This project was for the construction of a roundabout at the intersection of LA 98 at Mills Street. The work consisted of conducting field and office analysis to determine the existing right of way and produce a set of right of way maps, according to LA DOTD specifications, for acquisition of parcels required for construction.
2021 - Ongoing	Sherwood Forest Extension (Greenwell Springs Road - Joor Road), East Baton Rouge, LA. Lead Professional Land Surveyor in developing the innovative approach of utilizing aerial mobile LiDAR (drone) for alternative routes of the extension of Sherwood Forest from Greenwell Springs Road to Joor Road. Utilizing LiDAR data collected with a drone allowed for a cost effective option to a traditional survey for the alternative route phase of this project. The LiDAR was constrained to project control and verification points were observed for quality control. This iterative concept allowed for the LiDAR dataset to be used for the route selection process, then used again for the topographic survey of the selected route, after being supplemented with ground cross sections at an extended interval.

Firm	Civil Design & Construction				
Name	Karla E. Weston, PE		Years of Relevant Experience with this Employer	17	
Title	President		Years of Relevant Experience with Other Employer(s)	6	
Degree(s)/Years/Sp	pecialization	BS / 1999 / Civil Engineering			
Active Registration	Number/State/Expiration Date	31010/LA/03.31.2024			
Year Registered	2004 Discipline	Civil Engineer			
Contract Role(s)/Br	ief Description of Responsibilities	Mrs. Weston will oversee the firms LADOTD standards.	s' role as a sub-consultant and make sure the work is compl	eted to	
Experience Dates (mm/yy - mm/yy)	Experience and qualifications releva Experience dates should cover the t	nt to the proposed contract; i.e., "de ime specified in the applicable MPF	esigned drainage", "designed girders", "designed intersectio R(s).	on", etc.	
02/16-09/19	H.003047 Pecue Lane/I-10 Interch engineering design services of the V Pecue Lane Extension. She has work	<b>hange, Baton Rouge, LA.</b> Served a Vest Bound on Ramp to I-10, the Wo ked to oversee the firms design, co	ns Principal-in-Charge for the firm's role as a sub-consult fo est Bound Off Ramp from I-10, the extension to Rieger Roa ordinate with the prime consultant and government agenc	r the d and ies.	
12/13 – 10/19	H.02960 Gramercy Bridge, St. Jan engineering design elements of the	<b>nes Parish, LA.</b> Served as Principa plans including Hydraulic Analysis a	Il-in-Charge for the firm's role as a subconsultant for the and Design, Typical Sections, and Graphical Grades for the	project	
02/14 - 02/15	H.010620 I-49 Design Build, Lafay of the I-49 South Corridor.	ette, LA. Provided QA/QC review f	or the Roadway Design Plans on this Design-Build Project	for part	
05/13 - 05/14	H.009288.5 LA 1 Railroad Bridge a engineering design elements of the She has worked to oversee the firms	<b>at DOW, WBR Parish, LA.</b> Served a plans including Hydraulic Analysis a design, coordinate with the prime	as Principal-in-Charge for the firm's role as a sub-consult for and Design, Typical Sections, and Graphical Grades for the consultant and government agencies.	or the project.	
01/06 – 12/12	<b>EBR City/parish Project No. 06-CS</b> project that was approx. 1.25 miles in Garden Dr. CD&C designed the uppr and a 6' adjacent sidewalk. This inclu	<b>C-HC-0018, Fairchild-Badley Roa</b> a length along Fairchild-Badley Roa ade to the existing narrow roadway Ided the design of a new sub-surfa	dway, EBR Parish, LA. Served as Principal in Charge for th d and also included approximately 600 linear feet of Elm Gr to a typical section of 2-11' lands with a 2' barrier curb and ce drainage system throughout the length of the project as	iis 'ove gutter, s well.	
03/12 - 07/12	<b>H.009104.5 - Sunshine Bridge Phase 2.</b> Served as Project Manager and Engineer for CD&C's portion of this Bridge Rehab Retainer Contract project which included the Traffic Management plans for the project. CD&C provided the Traffic Control design plans includir detour maps of local road network for the repairs and widening to the Sunshine Bridge.				
05/11 – 04/12	<b>Red River – Jackson Street Bridge, Alexandria, LA.</b> Served as Project Manager and Engineer for CD&C's portion of this Bridge R Retainer Contract project which included the Traffic Management plans for the project. CD&C provided the Traffic Control design p including detour maps of local road network for the replacement of the Jackson Street Bridge over the Red River.				
06/12 – 10/12	H.009986 – Paths 2 Progress. Jefferson, Orleans, Plaquemines, St. Bernard and St. Tammany Parishes – Group 33. Served as the Principal-in-charge/Project Manager for this roadway rehabilitation project of roads in Jefferson Parish. This included field reconnaissance to determine severity of inundated roadways due to Hurricane Katrina, preparation and detailing of roadway rehabilit plans, typical sections, providing quantity calculations, etc.				

12/11 – 4/12	H.005902.5 - Consulting Services for the Permanent Repair to Federal Aid Eligible Roads as a Result of Damage due to Hurricane Katrina in 2005. Jefferson, Orleans, Plaquemines, St. Bernard and St. Tammany Parishes – Group 29. Served as the Principal-in-charge/Project Manager for this project which included survey, field reconnaissance to determine severity of inundated roadways due to Hurricane Katrina in the City of New Orleans, preparation and detailing of roadway rehabilitation plans, typical sections, providing quantity calculations, etc.
01/06 – 07/06	<b>Picardy Avenue Extension–City/Parish of East Baton Rouge.</b> Served as Principal-in-Charge for this extension of Picardy Avenue, connecting Bluebonnet Blvd. with I-10 West. Duties included project layout and design as wells as subsurface drainage design for approximately ½ mile.

Firm	<b>Civil Design &amp; Construction</b>				
Name	Ralph Burgess, PLS		Years of Relevant Experience with this Employer	11	
Title	Principal Land Surveyor		Years of Relevant Experience with Other Employer(s)	12	
Degree(s)/Years/Sp	pecialization	BS / 2004 / Industrial Design & S	Supervision		
Active Registration	Number/State/Expiration Date	5040/LA/09.30.2024			
Year Registered	2010 Discipline	Land Surveyor			
Contract Role(s)/Brief Description of Responsibilities		Mr. Burgess serve as the Survey Manager for this project. He will work to oversee the project progress stays on schedule, aide in both crew coordination and office production, and provide final QC on the firms' deliverable to the Prime Consultant. Mr. Burgess has an extensive background in providing topographic surveys for LADOTD in accordance with Location and Survey policies and procedures. He has overseen projects utilizing traditional means and methods of collecting data as well as those that include the use of 3D Terrestrial Scanning			
Experience Dates	Experience and qualifications releva	int to the proposed contract; i.e., "d ime specified in the applicable MPI	esigned drainage", "designed girders", "designed intersection R(s)	on", etc.	
07/20 – 04/21 01/18-01/20	<ul> <li>H.001352.5 and H.002273.5 Comi</li> <li>Served as the Survey Manager for the LA 67 and LA 19 sites of the Comite site and field verifications of that dat</li> <li>H.004100 I-10: LA 415 to Essen La project. CD&amp;C as a sub-consultant of the project.</li> </ul>	te River Diversion Bridge at LA 6 his project. CD&C as a sub-consult River Diversion project. This includ a. The topographic data for this pro ne on I-10 and I-12, West and Eas on this project is responsible for top limits to a point just before the appr	<b>57, LA 19 and LA 19 Railroad Bridge, East Baton Rouge P</b> ant on this project was responsible for topographic surveyi led merging of data from a previous survey on one portion of oject was collected traditionally. <b>St Baton Rouge, LA.</b> Burgess was the surveying Manager for pographic surveying the portion of I-10 in West Baton Roug croach of the I-10 Bridge and the limits of the project along I	<b>arish:</b> ng the of the or this e Parish A 415	
	including work on Tributaries of the I as scanning every 500' for control v	ntercoastal Canal. This work includ erification and incorporation of the	led using 3D Scanning for the bridge at I-10 bridge @ LA 41 Mobile Lidar for the I-10 pavement.	5 as well	
7/17-12/18	H.010960.5-2, LA 30 Roundabout included meeting with LADOTD & Ca personnel, coordination. Special dut together.	<b>, LA.</b> Mr. Burgess served as Survey Manager for the project dination of crews and 3D terrestrial scanning crew along wit ects with project survey for final submittal to combine all pro	t. Duties :h office ojects		
01/16-08/16	<b>H.005733.5 US 190 Superstreet, St. Tammany Parish, LA.</b> Mr. Burgess served as Survey Manager for the project. Duties included complete topographic survey and drainage map for this project including all utility coordination. The survey began at the intersection of US 190 and Holiday Square Frontage Road. From this point, the survey proceeded in a northerly direction along US 190 for approximately 2.9 miles to a point that is 700 feet South of Intersection of US 190 and E. Boston St. in Covington, LA. This project also included work in the Abita River and utilized 3D Terrestrial Scanning for the main route.				
10/15-12/18	H.003184.5 I-10 Texas State Line - project. Duties included meeting wit companies on the project, review an LADOTD and final review of all surve	<b>-East of Coone Gully, Calcasieu I</b> h LADOTD, coordination of traditio Id verification of drainage crossing y data for submittals	Parish, LA. Mr. Burgess served as Survey Manager for the nal crews and 3D terrestrial scanning crew, coordination of 110, merging of existing topographic survey of bridges from	utility า	

08/16-12/17	H.011235 I-49 South at Verot School Road, Lafayette, LA. Mr. Burgess served as the Survey Manager for the project. Duties included meeting with LADOTD, and all consultants on the team, coordination of both traditional crews and 3D terrestrial scanning crew, coordination of survey crews with Cardno, Inc, utility locations on the project, met and review right of entry with landowners for project, review of drainage map, merging of existing topographic survey of the I-49 Connector project from LADOTD with current survey of project, review of apparent right of way mapping for prime consultant, and final review of all survey data.
07//14-10/15	<ul> <li>H.011088.5 I-110 North Street to Plank Road, EBR Parish, LA. Mr. Burgess served as Survey Manager for the project. Duties included meeting with LADOTD, coordination of traditional crews and 3D terrestrial scanning crew, review and verification of drainage map, merging and final review of all survey data for submittals. Other special duties were coordinating with LADOTD District 61 for a rolling lane closure for location of drainage located in the interior of the project along the existing crash wall. Also, coordination with LADOTD Records and EBR City Parish regarding the research of all drainage structures that enter and leave the project area.</li> </ul>
04/17-07/17	H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA. Mr. Burgess served as Survey Manager on this project which included a complete topographic survey, utility coordination, channel cross-sections and the scanning of the existing vertical lift bridge for the design of its repairs/replacement. Project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning and hydrographic surveying.
03/14-06/14	<b>H.008369 Cleo Road Roundabout, St. Tammany Parish, LA.</b> Mr. Burgess served as the project manager for the project. CD&C was responsible for the topographic survey that began approximately 2400 ft. NW of intersection of I-59 and US Hwy 1090 and ended approximately 1000 ft. NW of intersection of I-59 and US Hwy 1090. The survey also included 500 ft. of Cleo Road and 175 ft. of Avenue D.
05/13-07/13	<b>H.009288 LA 1 Railroad Bridge at DOW, West Baton Rouge, LA.</b> Survey Manager for this project located in West Baton Rouge Parish. The intent is to create a grade separation at the intersection of LA 1 and the R/R spur for DOW. CD&C is performing all of the topographic survey for this project including utility coordination and R/R coordination and permits so that CD&C can survey the spur and parallel line.
10/14-12/14	<b>H.011088.5 West Prien Lake, Lake Charles, LA.</b> Mr. Burgess served as the Survey Manager for this project. This project was to provide topographic survey for a new route to be constructed. Topographic survey and DTM was required along the proposed alignment including all utilities and all drainage with the survey limits.
02/14-03/17	<b>H.010620 I-49 Design Build.</b> Mr. Burgess managed and supervised all field work, utility coordination, and review of existing survey data for final topographic survey submittal. CD&C also produced ROW maps for the project. Mr. Burgess's duties for this portion also included title reports, review of property surveys and final submittal of final existing right of way plans.

<b>Firm</b>	Civil Des	Civil Design & Construction				
Name	Chris Ball	ard, PLS		Years of Relevant Experience with this Employer	6	
Title	Survey			Years of Relevant Experience with Other Employer(s)	19	
Degree(s)/Years/Sp	ecialization		BS / 2004 / Biological Science			
Active Registration	Number/Stat	e/Expiration Date	5033 / LA/09.30.2024			
Year Registered	2010	Discipline	Land Survey			
Contract Role(s)/Brief Description of Responsibilities		Mr. Ballard serve as the Survey Project Manager for this project. He will work to oversee the project progress stays on schedule, aide in both crew coordination and office production, and provide final QC on the firms' deliverable to the Prime Consultant. Mr. Burgess has an extensive background in providing topographic surveys for LADOTD in accordance with Location and Survey policies and procedures. He has overseen projects utilizing traditional means and methods of collecting data as well as those that include the use of 3D Terrestrial Scanning.				
Experience Dates (mm/yy - mm/yy)	Experience a Experience c	ind qualifications releva lates should cover the t	nt to the proposed contract; i.e., "d ime specified in the applicable MP	esigned drainage", "designed girders", "designed intersectio R(s).	on", etc.	
09/18-01/20	<b>H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA.</b> Mr. Ballard was the Surveying Manager for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and t project along LA 415 including work on Tributaries of the Intercoastal Canal. This work included using 3D Scanning for the bridge @ LA 415 as well as scanning every 500' for control verification and incorporation of the Mobile Lidar for the I-10.				Vest of the at I-10 :.	
04/17-07/17	H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA. Served as the firms Survey Manager on this project which included a complete topographic survey, utility coordination, channel cross sections, and the sca the existing vertical lift bridge for the design of its repairs/replacement. Project included data collection of the topography via tra means and methods along with 3D terrestrial scanning and hydrographic surveying.				roject ning of itional	
02/19-09/19	<b>Bridge Replacements in East Feliciana Parish, Rural East Feliciana Parish, LA.</b> Served as Survey Project Manager for this project for East Feliciana Parish Police Jury. It includes the replacement of 2 bridges which were damaged from flooding and the repairs to many rural roadways throughout the parish. These projects are being funded thru FEMA and all documentation has to be in accordance with FEMA's policies and procedures.					
01/17-12/17	7-12/17 East Baton Rouge Parish Bridges, East Baton Rouge Parish, LA. In 2017, CD&C has performed topographic surveys for at le Bridge Replacement Projects throughout East Baton Rouge Parish. Mr. Ballard served as Survey Project Manager on each of the projects which included cross-sectioning and tracing the channel at each location. These included bridges over Dawson Creek Bayou, Copper Mill Bayou, and Cypress Bayou.					

10/16 - 11/16	<b>H.012728.5 LA 443: Tangi River Bridge Replacement, Tangipahoa Parish, LA.</b> Served as the Project Manager for this Project. Among the duties performed for the project were review of the crew work conditions, review & processing of the survey data, verification, and review of final submittal. CD&C completed a topographic survey which included all utilities with depths, all drainage, all building information including finish floor elevations, and all super/substructure of the bridge over the Tangipahoa River. Additional information regarding the river was located by traditional means upstream and downstream for the engineer's design of the new bridge. To utilize data collection of the failed bridge, 3D Terrestrial Scanning was incorporated in conjunction with traditional means to complete the topographic survey. Due to the nature of the project being an Emergency Bridge replacement all staff worked on this project non-stop until field work was completed in less than 3 weeks.
09/17 -09/17	<b>H.012650.5-1 District 62 Bridges, Livingston and Tangipahoa Parishes, LA:</b> Served as a Survey Project Manager for this project which included 5 bridge sites in District 62. In addition to all of the existing data for the bridge and roadway at each site, each channel was cross-sectioned both upstream and downstream of the bridge. These included bridges over the US 190 Bridge over Gray's creek, 2 bridges on LA 442 both crossing East Hog Branch, LA 1063 over the Natalbany River, and US 51 over Ponchatoula Creek. Several of these bridges including the US190 one was surveyed utilizing 3D Terrestrial Scanning.
10/15 - 12/18	<b>H.003184.5 I-10 Texas State Line – East of Coone Gully, Calcasieu Parish, LA.</b> Served as the Survey Project Manager on this project which is a 6-lane widening of I-10. Duties performed on this project included the review of the survey information from crew, verification of project delivery schedule, processing of data and final review of submittal of project. 3D Terrestrial Scanning was used in conjunction with traditional means and methods for the completion of this project.
01/16 - 08/16	H.005733.5 US 190 Superstreet, St. Tammany Parish, LA: Served as the Survey Project Manager on this project. CD&C provided a complete topo survey & drainage map along with utility coordination for the project. Project duties included processing of data, review of field notes and weeklies, & performing final punch list. This project also included work in the Abita River utilized 3D Terrestrial Scanning for the main route.
10/15 - 01/16	H.011773 Hanks Dr/Landis Drive Pedestrian Improvements, East Baton Rouge Parish, LA. Served as the Survey Project Manager on this project that included a topographic survey and establishment of the ROW for Hanks Dr. for installation of new sidewalk.
06/11 - 09/13	<b>260-01-0028, H.002372 LA 42 Widening and Improvements, Ascension Parish, LA.</b> Worked as a PLS on this project which included boundary and topography, establishing the existing ROW and acquisition of additional ROW.
07/17 - 12/18	H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA. Served as the Survey Project Manager on this project that includes a complete topo survey, utility coordination and drainage, along with finish floor elevations of all buildings that fall within the survey limits. Project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning.

	Firm	Civil Design & Construction	ivil Design & Construction									
	Name	Trent Norris		Years of Relevant Experience with this Employer	8							
	Title	Survey		Years of Relevant Experience with Other Employer(s)	0							
Degree(s)/Y	Years/Sp	ecialization	N/A	N/A								
Active Regi	istration	Number/State/Expiration Date	NSPS Certified Survey Technic ATSSA Traffic Control Supervis	NSPS Certified Survey Technician, Level I Boundary Certificate No.: 0418-5963 ATSSA Traffic Control Supervisor, Technician & Flagger								
Year Regist	ered	N/A Discipline	Land Survey									
Contract Ro	ole(s)/Bri	ef Description of Responsibilities	Mr. Norris serves as the firm's 3 well as process all 3D scan data the submittal.	Mr. Norris serves as the firm's 3D Scanning Technician who will aide in field data collection as well as process all 3D scan data in the office and assist in any other processing to complete the submittal.								
Experience (mm/yy - m	Experience Dates Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. (mm/yy - mm/yy) Experience dates should cover the time specified in the applicable MPR(s).											
01/18 – 01/2	01/18 – 01/2020 <b>H.013959 Reeds Bridge Rd. Calcasieu River Relief, Allen Parish, LA.</b> Mr. Humphreys served as a Instrument Man for this project. CD&C was a sub-consultant on this project is responsible for topographic and ROW surveying for this rural bridge replacement project.											
07/17 – 12/1	18	H.010960.5-2, LA 30 Roundabout project by working with the scan created them thru TopoDot to put into InRoa	at Tanger I-10, Ascension Parish w in the field, post processing the s ids.	<b>, LA</b> . Mr. Norris served as the firm's 3D Scanning Tech on the scans, and extracting all of the necessary topographic data	nis I from							
04/17 – 07/1	17	H.010006.5-3 LA 58 Petit Caillou Scanning Tech on this project by we topographic data from them thru Te	Bridge Rehabilitation (Sarah Brid orking with the scan crew in the field poDot to put into InRoads.	<b>ge), Terrebonne Parish, LA.</b> Mr. Norris served as the firm's I, post processing the scans, and extracting all of the neces	s 3D ssary							
08/16-01/1	18	H.011235 I-49 Verot School Road scan crew in the field, post processi InRoads.	, <b>Lafayette, LA.</b> Mr. Norris served a ng the scans, and extracting all of t	s the firm's 3D Scanning Tech on this project by working wi ne necessary topographic data from them thru TopoDot to	ith the put into							
10/16 - 10/1	16	H.012728.5 LA 443 Emergency Br project by working with the scan cre them thru TopoDot to put into InRoa	<b>idge Replacement, Tangipahoa I</b> w in the field, post processing the s ids.	Parish, LA. Mr. Norris served as the firm's 3D Scanning Tec scans, and extracting all of the necessary topographic data	h on this 1 from							
10/15 – 12/18 <b>H.003184.5 I-10 TX State Line-E of Coone Gully, Calcasieu Parish, LA.</b> Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.												
01/16-07/1	16	<ul> <li>H.005733.5 US 190 Superstreet, St. Tammany Parish, LA. Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.</li> </ul>										

Firm	Civil Des	Civil Design & Construction									
Name	Philip Dup	bree		Years of Relevant Experience with this Employer	10						
Title	Survey			Years of Relevant Experience with Other Employer(s)	30						
Degree(s)/Years/Sp	pecialization		N/A								
Active Registration	Number/Stat	e/Expiration Date	NSPS Certified Survey Technic Nationwide; ATSSA Certified as ATSSA Certified Traffic Control	ian, Level III, Boundary Cert. No. 0799-1106 Registered Flagger Tech & Traffic Control Supervisor							
Year Registered	N/A	Discipline	Land Survey								
Contract Role(s)/Br	arty chief who will work to oversee a crew as well as aide in y PM to ensure field work is being completed timely and acc	urately.									
Experience Dates (mm/yy - mm/yy)	Experience a Experience o	and qualifications releva lates should cover the t	nt to the proposed contract; i.e., "d ime specified in the applicable MP	esigned drainage", "designed girders", "designed intersectic R(s).	on", etc.						
07/20 – 04/21	07/20 – 04/21 H.001352.5 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge, East Baton Rouge Parish. Served as Senior Party Chief & Field Coordinator for this project. CD&C as a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. The topographic data for this project was collected traditionally.										
01/18-02/20	H.004100 I- CD&C as a su beginning at	<b>10: LA 415 to Essen La</b> ub-consultant on this pr the start of the project I	ne on I-10 and I-12, West and Eas oject is responsible for topograph imits to a point just before the appr	<b>st Baton Rouge, LA.</b> Served as Survey Party Chief for this p ic surveying the portion of I-10 in West Baton Rouge Parish roach of the I-10 Bridge and the limits of the project along L	oroject. A 415.						
07/17-12/18	H.010960.5- working spec	-2, LA 30 Roundabout	at Tanger I-10, Ascension Parish ol on the job and overseeing field ci	<b>, LA.</b> Mr. Dupree is serving as Field coordinator on this proje rews as they work to complete the topography.	ect by						
10/15-12/18	H.011235 I-4 the original c contractor of	<b>19 South at Verot Scho</b> ontrol set on the projec n the project. He oversa	<b>bol Road, Lafayette, LA.</b> Mr. Dupre t and oversaw the checking of it. M w all field crews and ensured that t	ee served as Field coordinator on this project. He resurrecter. r. Dupree was the field coordinator with the R/R and also the he project was completed accurately and timely.	ed e SUE						
01/16-08/16	H.005733.5 project that in scan crews a	<b>US 190 Superstreet, S</b> ncluded 3D scanning in and completed the proje	<b>it. Tammany Parish, LA.</b> Mr. Dupre addition to traditional topography. act accurately and on schedule.	ee served as Field coordinator on this urban roadway topog He oversaw the daily progress of both traditional field crew	Iraphy 's and						
10/16-11/16	6 H.012728.5 LA 443: Tangi River Bridge Replacement, Tangipahoa Parish, LA. Mr. Dupree served as Field coordinator on this project. CD&C completed a topographic survey which included all utilities with depths, all drainage, all building information including finish floor elevations, and all super/substructure of the bridge over the Tangipahoa River. Additional information regarding the river was located by traditional means upstream and downstream for the engineer's design of the new bridge. To utilize data collection of the failed bridge, 3D Terrestrial Scanning was incorporated in conjunction with traditional means to complete the topographic survey.										

07/14-10/15	H.010319.5 I-110 North St. to Plank Road, Baton Rouge, LA. Mr. Dupree served as Field coordinator on this heavily traveled Interstate project that included 3D scanning in addition to traditional topography. He oversaw the daily progress of both traditional field crews and scan crews and completed the project accurately and on schedule. He also coordinated with the district and state police to oversee the rolling lane closure that was required to obtain the drainage invert data.
05/13-07/13	<b>H.009288 LA 1 Railroad Bridge at DOW, West Baton Rouge, LA.</b> Mr. Dupree served as Senior Party Chief for this project located in West Baton Rouge Parish. The intent is to create a grade separation at the intersection of LA 1 and the R/R spur for DOW. CD&C is performing all of the topographic survey for this project including utility coordination and R/R coordination and permits so that CD&C can survey the spur and parallel line.
10/14-12/14	<b>H.011088.5 West Prien Lake, Lake Charles, LA.</b> Mr. Dupree served as the Senior Party Chief for this project working to collect all field data as required by the project. This project was to provide topographic survey for a new route to be constructed. Topographic survey and DTM was required along the proposed alignment including all utilities and all drainage with the survey limits.
02/14-03/17	<b>H.010620 I-49 Design Build.</b> Mr. Dupree served as the Senior Party Chief for this project working to collect all field data as required by the project. CD&C also produced ROW maps for the project. Mr. Dupree also was the lead Party Chief for the property surveys on this project.

Firm	Civil Des	ign & Construction							
Name	Clarence	J. Goodspeed		Years of Relevant Experience with this Employer	>1+				
Title	Survey			Years of Relevant Experience with Other Employer(s)					
Degree(s)/Years/Specialization			N/A		·				
Active Registration	Number/Sta	te/Expiration Date	N/A						
Year Registered	N/A	N/A Discipline N/A							
Contract Role(s)/Br	ief Descriptic	on of Responsibilities	Mr. Goodspeed has 30 years' experience in underground utilities. Mr. Goodspeed has been involved in almost every aspect of underground utilities and His knowledge of reading multiple utility companies prints and understand how their systems are installed makes him a great asset to managing CD&C Sue department. The following is a list of companies and job roles.						
Experience Dates (mm/yy - mm/yy)	ates Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. (yy) Experience dates should cover the time specified in the applicable MPR(s).								
-	<b>Byers Engir</b> (Bell South), Koche Gatev	<b>neering.</b> Damage prever Entergy Elec, Cox Comn way Pipeline are just som	ntion tech, responsible for accurate nunications, several companies tha ne of the companies he was respor	ely locating multiple clients underground plant which was, A at owned fiber loops in the greater Baton Rouge area, Eatel, nsible for locating their underground facilities.	AT&T and				
-	<b>BHA Engine</b>	ering. Damage prevent	ion tech (Underground Locator) co	ntracted to Demco Electric to locate their underground fac	cilities.				
-	Wave Tech detection, re	<b>Geophysical Engineer</b> iesearching utility prints, a	<b>ng.</b> Conducted SUE work, vacuum and conducting locates on military	excavation, ground penetrating radar, road pavement GPF facilities and airports.	R, leak				
-	<b>Bron Const</b>	ruction. Assisted in mai	ntenance, and new construction o	f Entergy Electric underground and some overhead lines.					
_ UtiliQuest LLC. Supervisor, Damage Investigator, State Claims Manager, and Operations Manager. Also, took part in negation of contracts.									
-	Fibore. Filled directional b	d in as supervisor for bur oring rig, assisted in sett	ying Charter Communication serv ling property damage claims, and	ice drop crews, installation of main and service drops with assisted in pointy of contact with Charter Construction per	rsonal.				

Firm	Civil Design & Construction	Civil Design & Construction								
Name	Madison Mills, LSI		Years of Relevant Experience with this Employer	1+						
Title	Survey		Years of Relevant Experience with Other Employer(s)	4						
Degree(s)/Years/Sp	pecialization	BS / 2016 / Civil Engineering								
Active Registration	Number/State/Expiration Date	0000716 Land Surveyor Intern/	LA/09.30.2023							
Year Registered	2021 Discipline	Land Surveyor Intern								
Contract Role(s)/Br	ief Description of Responsibilities	Mr. Mills joined CD&C in 2021 as in 2022. He serves as a Survey field crew data, and finalize deliv	s a Land Surveying Intern. Madison will be taking his PLS Technician for CD&C working to manage field crews, pro rerables.	s exam ocess						
Experience Dates (mm/yy - mm/yy)	Experience Dates Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. (mm/yy - mm/yy) Experience dates should cover the time specified in the applicable MPR(s).									
02/21 - Ongoing	02/21 - Ongoing H.013958 Carpenters Bridge Rd. Whiskey Chitto Creek. Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client. He also worked on property surveys and ROW mapping.									
02/21 - Ongoing	H.013955 LA 961 Bride at Sandy C crews, processed field data, created worked on property surveys and RO	<b>reek, West Feliciana Parish, LA.</b> punch-lists, worked with utilities, a W mapping.	Mr. Mills worked as a LSI on this project. He has helped mar nd helped complete the final deliverables to the client. He a	nage ilso						
02/21 - Ongoing	H.013956 LA 961 Bridge at Beamo has helped manage crews, processe the client. He also worked on proper	n <b>Rd. Bayou Maringouin, Pointe (</b> ed field data, created punch-lists, w ty surveys and ROW mapping.	<b>Coupee Parish, LA.</b> Mr. Mills worked as a LSI on this project orked with utilities, and helped complete the final deliverab	:t. He iles to						
07/21 – 11/21	<b>H.009290.5 Safe Routes to Schoo</b> on this project. He has helped manage final deliverables to the client.	<b>Is – LSU Sidewalk Improvement i</b> ge crews, processed field data, cre	near LSU Lab School, Baton Rouge, LA. Mr. Mills worked ated punch-lists, worked with utilities, and helped complete	as a LSI e the						
02/21-05/21	02/21 – 05/21 H.010108 Safe Routes to Schools – Independence Sidewalks, Baton Rouge, LA. Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client.									
07/21 – 12/21	H.0014560.5 LA 94 Vermillion River, St. Martin Parish, LA. Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client.									



# Section

7

# AECOM

Napoleon Avenue at Clarence Henry Truckway Intersection New Orleans, LA

ות:ההתורולסביט וחבובהותים

Delivering a better world

17. Firm Experience													
Firm Name	AECOM Techn	IC.			Past Performance Evaluation Discipline(s)* Road & Traffic					Traffic			
Project Name	LA 23 Bridge o	ver Mid	Baratar	ria Sedi	ment Di	version	n		Firm re	sponsibility (prime o	r sub?)	Prime	
Project Number	BA-0153 Owner's name							Coasta State o	oastal Protection and Restoration Authority, tate of Louisiana				
Project Location	Plaquemines Pa	arish				Owner	Owner's Project Manager Bradley Barth, PE						
Owner's Address, Ph	one, Email	150 Ter	race Ave	e., Bator	n Rouge,	LA, Pho	one: 225.3	342.730	8, bradle	ey.barth@la.gov			
Services Commence	01/	'17	Total Consultant Contract Cost (\$1,0				: (\$1,000	'S)	\$3	9,223			
Services Completed	oing	Cost of	Consu	Iltant Serv	vices Pr	ovided b	y This Firm (\$1,000'	s) \$1	5,689				

- ✓ Road Design of highway relocation
- ✓ Preliminary and Final Plan Preparation
- ✓ Intersection Design
- ✓ Hydraulic Analysis and Design
- ✓ Road Design Services During the Environmental Process

AECOM is the lead designer for the \$1.4 Billon Construction Management at Risk (CMAR) project tbuild a sediment diversion channel between the Mississippi River and Barataria Bay. The project features include a Mississippi River Intake, fourlane Hwy 23 bridge, and a two-track Class I Railroad bridge, conveyance channel, earthen levees and floodwalls, a 750-cfs inverted siphon bank, miscellaneous facility buildings, and marsh creation areas to be constructed using excess, excavated earthen materials.

The four-lane highway will be relocated onto a new 2,300-foot-long prestressed concrete girder bridge structure within the existing highway right-of-way. Two-way, two-lane frontage roads will be constructed within the limits of the bridge structure to maintain access to the adjacent properties. *AECOM is responsible* for the planning, preliminary design, and final design of the bridge and its approaches along with the roadway modifications and traffic control plans during the construction of the bridge. *AECOM also performed a traffic analysis for inclusion into the Environmental Impact Statement and Basis of Design report.* 

The project is being designed at a co-location office with weekly design meetings between AECOM, the CMAR contractor, and the Owner Program Management Team to tailor the designs to CMAR's means and methods and

include CMAR suggestions for improvements in constructability.

At submittal milestones, cost estimating reconciliation meetings are held with CMAR and Independent Cost Estimator to identify and resolve estimating differences. The design is being coordinated with DOTD, the NOGC Railroad, affected utilities, and the adjacent PLT facility design staff to confirm interfaces between the project and other projects and existing conditions are properly resolved in a satisfactory manner. Permit sketches for USACE and US Coast Guard review were developed. Special roll plots were developed for coordination with stakeholders and property owners adjacent to the Highway to depict ROW impacts and property access changes. The project is currently the largest project in the State of Louisiana that is utilizing the CMAR project delivery method as enabled by state legislation and implemented using the DOTD CMAR Manual.



**AECOM Team:** Chris McKown, Jonathan McDowell, Greg Trahan, Sreeni Bollu, Jonathan Giardina, Daniel Helms, Sarah McEwen

Page 67 of 94 Prime consultant firm name: AECOM Technical Services, Inc. (AECOM)

Firm Name	AECOM Technical Services, Inc.						Past Performance Evaluation Discipline(s)*				Road & Tra	ffic
Project Name	Loyola and Rampart Street Multimodal Improvements, Rail and Firm responsibility (prime or su Roadway Design and Construction Support								r sub?)	Prime		
Project Number	N/A Owner's name				s name			New O	rleans Re	egional Transit Autho		
Project Location	New Orleans, L	A				Owner	r's Project Manager Brendan Matthews					
Owner's Address, Ph	one, Email	2817 C	anal Stre	eet New	Orleans,	, LA 701	119, 504.8	327.838	3			
Services Commenced by This Firm (mm/yy)			10/	'10	Total Consultant Contract Cost (\$1,000's)				\$11,0	00 (Est.)		
Services Completed by This Firm (mm/yy) 10/16 Cost of Cor						Consul	Consultant Services Provided by This Firm (\$1,000's)				s) \$7,00	0 (Est.)



- ✓ Final Design (Shared traffic/streetcar) on expedited schedule, Complete Streets Design, Pedestrian Accessibility Improvements
- ✓ Road Design Services During the Environmental Process
- ✓ Writing Special Provisions, Quality Plan Reviews, Construction Support, Traffic Signal Design

AECOM has been involved in delivering streetcar service in New Orleans since the 1990s, beginning with environmental, design and construction support services for the Riverfront and Canal Street Lines. In the 2010s, AECOM provided maintenance and trackwork support on the St. Charles line. More recently, AECOM led the development, design, and construction support of the New Orleans Regional Transit Authority's (NORTA) Rail Expansion Program that provided new streetcar lines and complete streets improvements along Loyola Avenue in 2013 and N. Rampart Street in 2016.

Loyola Avenue: AECOM provided final design and construction support services for the addition of 1.62 track miles, station shelters and associated pedestrian facilities and multimodal signal improvements. The new streetcar track runs in the interior lanes in each direction, sharing traffic along Loyola Avenue, and connects the existing Canal Street Line to a new intermodal facility at the Union Passenger Terminal (UPT), which connects to Amtrak inter-city rail routes, Greyhound bus service, NORTA urban bus routes and future commuter rail service. The Loyola Line improves pedestrian mobility in the CBD and the French Quarter by linking the French Quarter, Riverfront Streetcar, Louisiana Superdome and CBD. The AECOM team developed design-bid-build construction procurement documents on a short 100-day schedule to respond to the time constraint of the TIGER Grant financing and the necessity to have the streetcar in revenue operation prior to the 2013 Super Bowl. Design elements include track alignment and track structure design, traffic lane reconfiguration, shared bike lanes, passenger stations with ADA accessibility, improvements at the UPT intermodal facility, utility and drainage modifications, traction power and catenary system installation, multimodal traffic signal design, communications, and the coordination of systems interfaces with the existing streetcar system. The design and construction made special provisions to protect median memorials and landscaping including restoring stone tiles around the Molly Marine Statue.

**Rampart Street:** AECOM also performed final design and construction support services for the reconfiguration of Rampart street to accommodate 3.2 miles of new streetcar track miles, new station shelters, and associated pedestrian facilities as well as new bicycle lanes and landscape design and multimodal signals on N. Rampart Street, Canal Street and St. Claude Avenue. Design elements included utility relocations, traction power, communications, and the coordination of systems interfaces with the existing streetcar system. An extensive subsurface utility engineering (SUE) effort was implemented to avoid utility conflicts. Catenary poles were designed to match the existing historic light poles and the foundations were designed to minimize utility conflicts.

The Rampart Street Line extends from the Loyola Line at Canal Street to Elysian Fields Avenue providing multimodal transportation facilities to the French Quarter, Treme and Faubourg Marigny with connections to the UPT, Superdome, CBD and Riverfront Line. Due to the historic character of the corridor, a significant public involvement program and coordination with the State Historic Preservation Officer and the New Orleans Historic District Landmark Commission were undertaken. Archeological monitoring during the SUE and construction was required. Lakebound traffic lanes on Canal Street were closed for a 30-day period for complete construction of the half grand union at the Canal Street intersection. During the closure two-way

traffic was maintained in the riverbound lanes utilizing the existing crossovers and transit lanes for the detour. The project was delivered on time and under the estimated budget. Both projects utilized detailed VISSIM simulations to show the proposed conditions and operations for public information efforts.



AECOM Team: Jonathan McDowell, Greg Trahan

Page 68 of 94 Prime consultant firm name: **AECOM Technical Services, Inc. (AECOM)** 

Firm Name	AECOM Technical Services, Inc.						Past Performance Evaluation Discipline(s)* Tra				Traffic	)	
Project Name	Jones Creek R Design	Jones Creek Road Extension Traffic Study and Traffic Signal Firm responsibility (prime or sub Design								r sub?)		Sub	
Project Number	19-CS-HC-003	6		Owner'	s name			City-Pa	arish of E	East Baton Rouge			
Project Location	East Baton Rou	ge Paris	h, Louisi	ana		Owner'	's Project Manager Cyndi Pennington						
Owner's Address, Ph	one, Email	329 Ch	ippewa S	Street, S	uite A, B	aton Ro	uge, LA	70802;	(225) 389	9-3246; cpenningtor	n@brla	.gov	
Services Commenced by This Firm (mm/yy)			12/	'20	Total Consultant Contract Cost (\$1,000's)					\$	61,252		
Services Completed by This Firm (mm/yy) Ongoing Cost of C					Consul	tant Serv	/ices Pr	ovided b	y This Firm (\$1,000's	5) \$	6434		

- ✓ Traffic Engineering
- ✓ Traffic Design

AECOM was hired to provide traffic engineering and traffic design services to develop an updated traffic report and the design for a new traffic signal, for the extension of Jones Creek Road, from Tiger Bend Road to Jefferson Highway, in East Baton Rouge Parish (Louisiana), a project under the \$1B MOVEBR Infrastructure Program.

Using the forecast year volumes, AECOM analyzed the use of traffic signals at Jones Creek Road at Tiger Bend Road and at Jefferson Highway. An analysis of alternative design intersections (RCUT, MUT), which qualitatively evaluated the operations, safety, and right of way impacts for a proposed non-signalized intersection at Jones Creek Road at Profit Avenue was required. The operational analysis performed by AECOM used Synchro, Sidra and HCS, respectively, which helped to determine the lane configuration and the turn lane lengths required to provide acceptable levels of service (LOS) in the design year.

The design of the traffic signal at Jones Creek Road at Tiger Bend Road has several complications that the design team was required to accommodate, as a part of the design. Due to roadway widening, the existing traffic signal would not be able to operate throughout construction. Working with the road design team, AECOM was able to design the signal to operate without the need for a temporary traffic signal that would have been difficult to maintain across various construction phases. Based on the forecast traffic volumes, a free-flow

movement was necessary, which required modifications to the pedestrian and bicyclist facilities, that are included in this project to promote regional active transportation connectivity, to allow for safe passage. Further, the signal design required accommodation of a large box culvert, providing for regional drainage that could not be removed.

A full set of construction plans, and a complete Traffic Study will be submitted for this project.



**AECOM Team:** Jonathan Giardina, Daniel Helms, Ramya Rayapureddy, Greg Trahan, Jonathan McDowell

Firm Name	AECOM Technical S	ervices, l	nc.		Past Pe	Past Performance Evaluation Discipline(s)* Roa				ffic
Project Name	<b>College Drive Enha</b>	cement F	Project		Firm Re	esponsibility (Prime o	Prime			
Project Number	19-EN-HC-0033	's Name		City-Pa	arish of E	rish of East Baton Rouge				
Project Location	Baton Rouge, Louisia	Owne	r's Project Manager Sco			Scott Hoffeld				
Owner's Address, Ph	one, Email 1200	Brickyard	Lane, S	uite 400, Baton	Rouge, L	A 70802	2; (225) 5	72-7111; scott.hoffe	ld@stantec	.com
Services Commence	09	/20	Total Consultant Contract Cost (\$1,00			(\$1,000	'S)	\$1,74	)	
Services Completed	by This Firm (mm/yy)	Ong	joing	Cost of Consu	Itant Serv	vices Pr	ovided b	y This Firm (\$1,000's	s) \$1,02	4

- ✓ Traffic Engineering
- ✓ Traffic Safety
- ✓ Roadway Design during Environmental Process
- ✓ Bike and Pedestrian Alternatives
- ✓ Environmental and Scoping Services

AECOM is providing a Design Study, Traffic Study, Environmental Inventory, and Preliminary Engineering for enhancements to the College Drive corridor from Perkins Road to Bawell Street, including potential improvements to the I-10 interchange ramp termini. This project is one of the largest and most visible corridors in the MOVEBR program.

The Design Study will produce preliminary concepts that are improvements to corridor connectivity, access management, pedestrian and bicycle safety, capacity improvements that will be evaluated using mesoscopic modeling. The concepts will be assembled into corridor alternatives that will be analyzed using VISSIM. Environmental impacts, ROW impacts and acquisitions, utility relocations, implementation of green infrastructure elements, project construction costs, traffic operations and safety improvements will be factors in the evaluation. The project also includes public involvement, stakeholder engagement, and railroad coordination for modifications to the railroad crossing. The alternatives and the project areas environmental inventory will be documented using the Stage 0 Scope and Budget and Environmental Checklists.



Once an alternative is selected, two sets of preliminary and final plans will be completed. One set will be for identified interim improvements. Final plans will be developed for the complete plan as documented in the selected alternative.

AECOM is coordinating and collaborating with LADOTD and the City-Parish of East Baton Rouge in the development of the operational and safety analyses. This includes the assessment of past traffic studies to compare that data with the current traffic volumes to determine the COVID-19 impact to traffic along this vital corridor.

A full and complete TEPR compliant Traffic Study will be submitted for this project.

Topographic survey services provide by Civil Design and Construction, Inc.

**AECOM Team:** Jonathan McDowell, Greg Trahan, Daniel Helms, Derek Chisholm, Chris McKown, Jonathan Giardina

Firm Name	AECOM Technical Services, Inc.						Past Performance EvaluationReDiscipline(s)*Re				raffic
Project Name	Siegen Lane Ir feet south of P	nents, H Road (LA	lighlanc \ 427)	d Road (I	LA 42) to	650	Firm Responsibility (Prime or Sub?			Prime	
Project Number	N/A			Owner'	's Name		City of Baton Rouge/Parish of E. Baton Ro			n Rouge	
Project Location	Baton Rouge, L	A				Owner's	er's Project Manager Tom Stephens				
Owner's Address, Ph	one, Email	222 Sai	nt Louis	Street E	Baton Ro	uge, LA /	225.389	9.3158			
Services Commence	ed by This Firm (n	nm/yy)	02/	07	Total Consultant Contract Cost (\$1,000's)					Unki	nown
Services Completed by This Firm (mm/yy)				09	Cost of (\$1,000	Consulta I's)	ant Serv	ices Provid	ed by This Firm	\$1,18	83

- ✓ Roadway Design
- ✓ Traffic and Design Study
- ✓ Hydraulic Design
- ✓ Traffic Signals/Intersection Treatments
- ✓ Construction Services
- ✓ Survey
- ✓ Final Design
- ✓ ROW Maps
- ✓ Complete Streets Design

AECOM provided preliminary and final engineering design and environmental services to complete a design study and final construction documents for the reconstruction of one and a quarter mile segment of Siegen Lane (LA 3246) between highland Road and Perkins Road.

The improvements include:

- Widening Siegen Lane from two-lane suburban road to a four-lane urban boulevard
- Traffic signal and geometric improvements at the Highland Road intersection along Highland Road, Burbank Drive and the widened Siegen Lane
- Addition of a traffic signal at the intersection of Siegen Lane with Briar Hollow Drive and a relocated North Oak Hills Parkway
- Interconnection of traffic signals in the project corridor



- Addition of subsurface drainage along the limits of the project
- Sanitary sewer force main relocation and improvements

The first phase of the project was a design study which included preliminary roadway design, hydraulic design using HEC-RAS models of two culvert crossings, traffic analysis, cost estimating, identification of required right-of-way, identification of utility relocations, wetland delineation, noise analysis, a signal warrant analysis for the proposed signal at North Oak Hills Boulevard, and Phase I environmental Site Assessments. Upon approval of the design study report, AECOM prepared final construction documents and right-of-way maps for the proposed improvements within the parish. Since Siegen Lasne is a state highway, this project required close coordination with LADOTD in addition to the "Green Light Plan" program managers.

AECOM Team: Jonathan McDowell, Greg Trahan

Page 71 of 94 Prime consultant firm name: **AECOM Technical Services, Inc. (AECOM)**
Firm name	Forte & Tablac	olada, Inc.				Past Performance Evaluation Discipline(s)*			Road	d			
Project name	Nicholson Dr.	at Brigh	ghtside Lane/West Lee Drive						Firm responsibility (prime or sub			?)	Prime
Project number	ТВА	Owner's name					City of	Baton R	aton Rouge - Department of Public Works			ks	
Project location	East Baton Rou	Rouge Parish, LA				Owner'	er's Project Manager Bryan Harmon						
Owner's address, phone, email 222 Saint Louis Street 8th Flo			Bth Floor,	h Floor, Room 880 Baton Rouge, LA 70802/225-389-3186									
Services commenced by this firm (mm/yy) 10/08 Tot		Total co	otal consultant contract cost (\$1,000's)				Unknov	vn					
Services completed by this firm (mm/yy) 04/20 Co			Cost of	cost of consultant services provided by this firm (\$1,000's) \$8			\$804						



- ✓ Intersection and Access Management Design
- ✓ Survey
- ✓ Construction Plan Development
- ✓ Rail road Coordination

The project entailed the development of preliminary and final plans to widen Nicholson Drive to provide northbound and southbound left-turn lanes, one through lane in each direction and one right turn lane in each direction. It would also require the existing City/Parish bicycle/pedestrian path to be relocated to fall within the railroad right-of-way, and widen the railroad crossing on Brightside Lane to provide one westbound lane, one eastbound left turn lane, one eastbound through lane and an eastbound combination through/right turn lane to widen West Lee Drive to provide two eastbound lanes, a westbound left turn lane, a westbound through lane and a westbound right turn lane. The design would adjust the grade and construct a tangent crown on Nicholson Drive to reduce the problems caused by the difference in grade between Nicholson Drive and the Illinois Central Railroad, and to replace the existing traffic signal system with new signal equipment.



Forte & Tablada, Inc. Team: Kresten Brown, PE

Firm name	Forte & Tablad	lada, Inc.				Past Performance Evaluation Discipline(s)* Roa			Road			
Project Name	Old Hammond	Highway	lighway Segment 1 East						Firm Re	esponsibility (Prime c	or Sub?)	Prime
Project Number	ТВА			Owner'	s name			MOVE	3R			
Project Location	Baton Rouge Pa	arish, LA				Owner	's Project	t Manag	er	Travis Barr, P.E.		
Owner's Address, Ph	one, Email	222 St.	Louis St	reet Bat	on Rouge	e, LA 70	0802/225	5-769-0	)546			
Services Commence	ed by This Firm (n	by This Firm (mm/yy) 05/13 Total			Total Co	tal Consultant Contract Cost (\$1,000's)			Unkr	iown		
Services Completed by This Firm (mm/yy) Ongoing Cost o			Cost of	t of Consultant Services Provided by This Firm (\$1,000's)			s) \$111	5.0				

- ✓ Roadway Design
- ✓ Performed Design Studies
- ✓ Topo Survey
- ✓ Bridge Design
- ✓ Drainage/ H&H Studies
- ✓ R.O.W. Maps/Pedestrian Walk way
- ✓ Intersection Design
- ✓ Lighting Design

As part of the East Baton Rouge Parish MOVEBR program, Forte and Tablada is responsible for all phases of a capacity improvement project on Old Hammond Highway from 1500' west of the S Flannery Road intersection to Millerville Road. In addition to providing four travel lanes and sidewalks on Old Hammond Highway, this project will include a roundabout at the S Flannery Road intersection and will replace the existing timber bridge on S Flannery Road. The new bridge will be a concrete slab span bridge with a clear roadway width of 42' and 10' sidewalks on each side of the bridge. Scope of services for this project include Bridge and Roadway Design Studies, Topographic Surveying, Environmental Services, Right-of-Way plans, Hydraulic Studies, Traffic Engineering, Geotechnical Engineering, Lighting Design, and the development of Preliminary and Final Construction Plans.



Forte & Tablada, Inc. Team: Chad Bacas, P.E., Allison Schilling, P.E., Joffrey Easley, P.E., Tyler Branch, P.E.

Firm name	Forte & Tablad	te & Tablada, Inc.				Past Performance Evaluation Discipline(s)* F			Roa	d			
Project name	Cook Road Imp	rovemer	nts						Firm res	sponsibility (prime o	rsub	?)	Prime
Project number	N/A			Owner'	's name			Livings	ton Paris	sh Council			
Project location	Livingston Paris	sh, LA				Owner	's Project	t Manag	ler	Layton Ricks			
Owner's address, pho	one, email	20355 (	Governn	nent Boi	ulevard, L	ivingst	on, LA 70	)754/22	5-686-2	266			
Services commence	d by this firm (mr	m/yy)	01/	/12	Total co	onsultar	nt contra	ct cost (	\$1,000's	3)		Unknov	wn
Services completed	by this firm (mm/	y this firm (mm/yy) Ongoing Cost of con-			consul	tant serv	ices pro	vided by	/ this firm (\$1,000's)		\$2922.	8	

- ✓ Roadway Design
- ✓ Topo Survey
- ✓ Bridge Design
- ✓ R.O.W. Maps

Forte and Tablada performed comprehensive engineering services for this project that designed improvements to an existing section of two lane roadway and an unimproved area with the construction of a four (4) lane boulevard section from LA Hwy 16 (Pete's Hwy) to LA Hwy 1026 (Juban Road), along with several bridges. The project typical section will include a grass median (includes turn lanes) with lighting and sidewalks on both sides of the road. Due to other projects and anticipated growth in the project area this project also includes a multi-lane roundabout at the intersection of Cook Road and Pete's Hwy to serve the needs of this area. Urban Systems completed a traffic analysis for the roundabout as a sub consultant. Services provided for this project include project management, a Line and Grade Study, Topographic Surveying, Environmental Services, Right-of-Way Surveying, Right-of-Way plans, Title Take Offs, Design Engineering, Construction Engineering, and Resident Project Representative Services for the proposed construction.



Forte & Tablada, Inc. Team: Chad Bacas, P.E., Allison Schilling, P.E., Joffrey Easley, P.E., Tyler Branch, P.E.

Firm name	Civil Design &	/il Design & Construction, Inc.				Past Performance Evaluation Discipline(s)* Survey						
Project name	I-10 TX State Lii	State Line East of Coone Gully				Firm responsibility (prime or sub?) Su			Sub			
Project number	H.003184.5	I.003184.5 Owner's name				LADOTD / Stanley Ard, PLS						
Project location	Calcasieu Paris	alcasieu Parish, LA				Owner	wner's Project Manager Stanley Ard, PLS					
Owner's address, pho	one, email	ne, email 1201 Capital Access Rd., Ba		d., Baton l	Baton Rouge, LA70802/225-379-1232/Stanley.ard@la.gov			<i>,</i>				
Services commence	by this firm (mm/yy) 10/15 Total		Total co	otal consultant contract cost (\$1,000's)			N/	A				
Services completed	by this firm (mm/yy) 12/18 Cost of			Cost of	consul	tant serv	ices prov	vided by	y this firm (\$1,000's)	\$4	43	



✓ Topographic Survey

This was a 6-lane widening project on I-10 in Calcasieu Parish. The project limits extended from the foot of the Sabine River Bridge (approximately 0.5 miles east of the state line) to a point approximately 2000 feet east of the beginning of the existing 6-lane section (located East of Coone Gully). The survey width of the project was from apparent right of way to apparent right of way and 500 feet past the gore along each of the on and exit ramps.

In 2018, CD&C was supplemented to extend the original limits of this survey approximately 1500' and to pick up several other areas of additional topographic updates.

**CD&C's Role:** CD&C performed a complete topographic survey in accordance with the Location and Survey Manual and all current accepted Location and Survey Automation Procedures for this project. A topographic survey was already completed at all bridge sites located within the limits. The survey included all utilities with depths and information, all drainage structures, and all survey DTM and improvement features that fell inside the survey limits. Due to traffic

**CDCTeam:** Karla E. Weston, P.E.; Ralph Burgess, PLS, Chris Ballard, PLS; Phil Dupree, Trent Norris

concerns 3D Terrestrial Scanning was utilized for the location of roadways and traditional means and methods were used to complete the topographic survey on this project. The final submittal of the survey was a combination of the supplied data from LADOTD for the bridges with the current survey that was completed for this project. Members Involved: CD&C employees involved in the project included Karla E. Weston, P.E.; Ralph Burgess, PLS, Survey Manager; Chris Ballard, PLS Survey Project Manager; Phil Dupree, Party Chief; Jacob Stoehr, Party Chief; Trent Norris, 3D Scanning Technician; John Ewing, Survey Technician, Scott Benton, 3D Scanning Technician.

## Performed in LA: 100%



Firm name	Civil Design &	n & Construction, Inc.			Past Per	formand	ce Evalu	ation Discipline(s)*	Surve	У		
Project name	I-10: LA 415 to E	15 to Essen Lane on I-10 and I-12					Firm responsibility (prime or su			or sub?)		Subs
Project number	H.004100		Ov	wner's name			LADOT	D				
Project location	West and East E	Vest and East Baton Rouge, LA			Owner	's Project	Manage	er	Nicholas Olivier			
Owner's address, ph	one, email	ne, email 1201 Capital Access Rd, Bator			Rouge,	LA 70802	2/225-3	79-1232	2 / Nicholas.olivier@	)la.gov		
Services commence	d by this firm (mr	by this firm (mm/yy) 01/18 Total			otal consultant contract cost (\$1,000's)				Ν	N/A		
Services completed	by this firm (mm/yy) on-going Cost c			st of consultant services provided by this firm (\$1,000's)			\$	\$296				

✓ Topographic Survey

This project located in West Baton Rouge and East Baton Rouge Parishes in the cities of Port Allen and Baton Rouge, LA. A complete Topographic survey including all utilities (ASCE 38-02, QL "B") with depths and all drainage is required, along with Finish floor elevations of all buildings that fall within the survey limits. The survey begins 1,500 feet West of the western most entrance/exit ramps of the LA 415 and I-10 Interchange. From the I-10, I-12 split the survey shall proceed in southerly and easterly directions along the existing main alignment of I-10 for approximately 1.5 miles & I-12 for approximately 1.5 miles to end the route limits.

**CD&C's Role:** CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415. **This work included using 3D Scanning for the bridge at I-10 bridge @ LA 415 as well as scanning every 500' for control verification and incorporation of the Mobile Lidar for the I-10 pavement.** 



Performed in LA: 100%

**CDCTeam:** Karla E. Weston, P.E.; Ralph Burgess, PLS, Christopher Ballard, PLS; Phil Dupree; Trent Norris

Firm name	Civil Design &	esign & Construction, Inc.				Past Performance Evaluation Discipline(s)* Su			Survey	y			
Project name	Verot School Ro	oad							Firm res	sponsibility (prime o	r sub?)		Sub
Project number	H.011235			Owner'	s name			LADOT	D				
Project location	Lafavette I A					Owner'	's Project	Manag	er	Thomas Gattle (Hu	ival & Ag	SSOC	
Owner's address, ph	one, email	ne, email 922 W. Point Des Mouton Rd			on Rd., La	d., Lafayette, LA 70507/337-234-3798/tgattle@huvalassoc.				oc.com	ו <u>ווווווווווווווווווווווווווווווווווו</u>		
Services commence	d by this firm (mr	by this firm (mm/yy) 08/16 Total			Total co	otal consultant contract cost (\$1,000's)				N	I/A		
Services completed	by this firm (mm/yy) 01/18 Cost of			Cost of	f consultant services provided by this firm (\$1,000's)			\$	435				

- ✓ Movable Bridge Rehabilitation
- ✓ Bridge Inspection
- ✓ Instrumentation
- ✓ NDT/Evaluation
- ✓ Preventative Maintenance & Repair

This project is located in Lafayette Parish between Lafayette Regional Airport and Broussard, LA. The project is for the proposed widening of US 90/I-49 South and realignment of Verot School Road. A topographic survey was performed along the entire proposed route as well as an existing drainage map.

**CD&C's Role:** CD&C performed a complete topographic survey of the project site by using **3D Terrestrial Scanning in conjunction with traditional means to complete the survey. Control was set for the scanning throughout the project limits.** Coordination with Cardno, Inc. (Team member) was necessary for the location of all utilities in the project area. CD&C also coordinated with all the property owners for access to the properties and also meet with safety advisors for the industrial business that were impacted. The survey included coordination with the ongoing

**CDCTeam:** Karla Weston, PE; Ralph Burgess, PLS; Christopher Ballard, PLS; Trent Norris; Phil Dupree

I-49 Connector project and merging of that survey to the CD&C survey in order to make a complete project for the area. **CD&C also researched and compiled an existing right of way linework for the prime consultant to use for exhibits for the project and is tasked to complete Final ROW Maps**. In order to complete the survey CD&C also had to coordinate with BNSF railroad for access to BNSF's rail.

## Performed in LA: 100%





# Section 18

# AECOM

Systemic Curves Improvements Sign Replacement and High Friction Surface Treatment Statewide

Delivering a better world

## 18. Approach and Methodology

## The AECOM Team

AECOM has assembled a diverse team of accomplished professionals with expertise in road design, hydraulic analysis and design, transportation and environmental planning, traffic and safety engineering, and surveying services who stand ready to serve the Louisiana Department of Transportation and Development (LADOTD) in response to your Request for Proposals for the IDIQ Contract for Roadway Design Services. The AECOM Team comprises with local staff who have a long history with working with the DOTD to successfully perform projects.

AECOM is partnering with **Forte & Tablada (F&T)** to bring additional depth and experience that will not only complement our team, but also enhance our ability to execute multiple task orders, quickly taking a project from kickoff to construction. AECOM has previously partnered with F&T and has demonstrated how we can efficiently and effectively work as an extension of the LADOTD staff to address needed roadway projects in a timely manner.

For topographic surveys, we are partnering with **Civil Design and Construction (CDC),** a DBE who is known to LADOTD for their successful and on-time delivery of topographic surveys. CDC has multiple teams where they can perform multiple surveys concurrently if needed.

Our team has a well-documented history working together with LADOTD to successfully deliver our services on time and on budget. Note, we are wrapping up tasks on the Mid Barataria Sediment Diversion and I-49 Connector and will have road design and traffic engineering staff available for new assignments.

We understand that LADOTD seeks two firms to perform task orders of various types of roadway design projects. These projects could range from roadway resurfacing and rehabilitation projects, intersection improvements

and roundabouts, to roadway widenings and reconstructions. We believe the AECOM team is well suited to successfully deliver any of these projects, regardless of magnitude or type.

Our team is also ready and capable to provide the specific services listed in the IDIQ, which may include, but are not limited to, the following:

### "AECOM performed well on this project. They were responsive and provided good work."

-- Noel Ardoin, DOTD Environmental Section. Ref. SPN H.001779 – Jimmie Davis Bridge (LA 511) EA

- Topographic Surveys
- Traffic Control Design, Traffic Signal Analysis and Design
- Preliminary and Final Roadway Design, Plan Development, and Cost Estimates
- ► Hydraulic Design
- Road Design Services During the Environmental Process
- Special Provisions Write Ups
- Transportation Management Plans
- Quality Plan Reviews
- Construction Support

# We understand that LADOTD

"The AECOM Team was proactive and always on top of the project. Their communications and correspondences are clear and promt... their management of bridge tasks exceeded my expectations."

-- Jenny Fu, DODT Bridge Design Engineer Administrator and I-49 Bridge Task Lead.

will provide subsurface utility engineering, geotechnical engineering, pavement design, property survey and ROW mapping, and structural design for these projects. Notwithstanding, the AECOM team has the capability and can provide any of these services upon request.

## **Project Manager and Team Organization**

Our Team proposes **Jonathan McDowell**, **PE** as the Project Manager for this IDIQ contract. Jonathan is based out of the AECOM Baton Rouge office and has over 20 years of experience developing, managing, and leading these type projects. He and his team have worked on road design projects of various types and sizes for LADOTD and various municipalities and other political subdivisions within the State of Louisiana, as well as projects for DOTs in nearby states including, Florida, Mississippi, Arkansas, and Texas. He has led and currently leads projects or road design tasks in all stages of the Project Delivery Process including Stage 0 Feasibility Studies, Environmental Assessments (EAs), Environmental Impact Statements (EIS), Preliminary and Final Design, and Construction Support services. He has attended the NHI Course NEPA and the Transportation Decision Making, the LADOTD TEPR Modules, and is a ATSSA Certified Traffic Control Supervisor. He also has been manager over LADOTD IDIQ or multiple task order type contracts. He will serve as the overall Contract Manager.

Page 79 of 94 Prime consultant firm name: AECOM Technical Services, Inc. (AECOM)

The AECOM team works in an integrated environment. Within the office, the AECOM transportation team sits within an open environment where all disciplines sit among each other. Our company also promotes communication between offices and subconsultants through the use of Microsoft Teams and Projectwise. This environment promotes efficiency in communication and collaboration which results in a more responsive team. For example on the I49 Connector project, these collaboration tools allowed our team to have On Demand meetings or sidebar discussions between disciplines or bring in subject matter experts at a moment's notice that allowed for quicker resolution of task conflicts.

# **Project Scoping and Management**

For each Task Order, our goal is to deliver a quality project in a timely manner and within budget. Each project comes with its different challenges and issues, but to meet our goal for a successful project we understand we need to be knowledgeable of the project details and responsive to the client. It starts at the beginning when a task order is in the scoping phase. We want to gain a clear understanding of the LADOTD's goals and expectations for the project. That first step includes coordination with the LADOTD PM, understanding LADOTD's wants and needs, identifying key stakeholders, and asking informed questions to develop a complete scope. From there, we can assign a task manager that best fits the project, prepare a proper manhour and fee estimate, and develop an accurate project schedule.

We understand multiple task orders may be ongoing simultaneously or certain task orders may have critical time durations. To serve the contract, AECOM proposes multiple teams leads which may be assigned from either AECOM or Forte and Tablada. The task managers are identified in the organization chart. The intent of our Team is to perform the work locally, here in Louisiana. If timelines dictate or there is a desire to implement a specific innovation that is working elsewhere, AECOM can be a conduit to incorporate support staff from our offices throughout the United States. This proposed organization allows for seamless project teams that can provide innovation, cost savings, and expedited project delivery, all of which provide value to LADOTD.

# **Understanding of DOTD's Plan Delivery Process**



**Scoping.** Just prior to the NTP of the Task Order, the Task Manager will develop a Project Plan which will serve as the management tool for the project. Our Project Plan is scaled to the magnitude of the project but at a minimum includes the following information:

- The Task Order Scope of Services
- Team Organization and Primary Points of Contact for the Client and for the Team
- Communications Protocols
- Project specific Design Criteria and Identified Design Codes and Standards
- Project Budget and Work breakdown Structures (WBS)
- Project Schedule
- List of Anticipated Deliverables and Milestones
- Quality Control Plan
- Project Risk Register
- CAD Plan
- Safety Plan
- Identification of any Special Project Requirements

Project Kickoff Meeting. Following NTP, the Task Manager will request a kickoff meeting with the LADOTD PM and any LADOTD technical staff assigned to the project. At AECOM, we believe a kickoff meeting is critical to reaffirm goals and expectations. At the kickoff meeting, scope, schedule, budget, team assignments, potential risks to success, and necessary deliverables and major milestones will be reviewed. We routinely cover methodology, software validation, and other technical matters with the team at the Kickoff Meeting. We also will ask for access to any previous studies, as-built information, and other information that may be needed to understand the project site that was not already gathered during the scoping phase. This meeting sets the course for our Team to proceed in an efficient manner.



**Data Collection and Field Visits.** A key step to the development of any design is to get into the field at the project site and witness the conditions there firsthand. The team would be responsible for the documentation of site conditions, including geometric layout,

any noted site deficiencies, and driver behavior. The team will then use this collected data to inform the design, so the project will address LADOTD and road user needs.

During this phase, we will collect and review any available existing information specific to the project so that such information can inform the project team. Topographic Surveys will also occur during this phase.

**Stage 3: Preliminary and Final Plan Development.** We anticipate using the process outlined in LADOTD Road Design Manual. We expect submittal stages at 30%, 60%, 95%, and 100% Preliminary Plans and at 60%, 95%, 98%,

and 100% Final Plans. We expect separate NTPs for each phase. To expedite projects, during the Kickoff Meeting and in subsequent coordination with LADOTD, we support a review of the submittal stages for each task to mutually agree if certain stages could be waived. We will discuss the preliminary road design report and what plans will be provided at each submittal, so all expectations are met prior to plan development.

Designs will be in accordance with LADOTD Design Criteria including the Road Design Manual, Minimum Design Guidelines, the LADOTD Hydraulic Manual, LADOTD Traffic Signal Manual, and all other applicable road design publications. These may include, but are not limited to, the AASHTO Green Book, the AASHTO Roadside Design Guide, AASHTO Geometric Design of Low-Volume Roads, AASHTO Design Guidelines for Bicycles and Pedestrian the MUTCD, the Highway Safety Manual, and applicable guidance from FHWA, ITE, or other state DOTs where similar innovative road design treatments or ideas have been implemented. While our Team desires to conform with LADOTD design standards, there may be times that the most practical design may require a Design Waiver(s) or Exception(s). In these rare circumstances, we anticipate performing a safety analysis, applying the use of Crash Modification Factors, to compare relative impacts of design alternatives in support of possible waivers and exceptions. To that end, Daniel Helms and Greg Trahan hold Register Safety Professional certifications and lead or complete these analyses.

The AECOM Team is proficient with LADOTD's current preferred software including MicroStation, InRoads, CAD Conform and HYDRWIN. With that said, our Team will provide staff with expertise and knowledge of additional software, including Bentley's OpenRoads, HEC-RAS and SWMM where required to design or check hydraulic models or designs, HCS, Sidra, VISSIM to check capacity or turn lane lengths, and others, as the need arises, and IHSDM or other safety analysis tools used by the Highway Safety Section.

We anticipate the critical milestones for a plan development project are as follows:

**60% Preliminary Plans** – will depict Horizontal and Vertical Geometry, Roadway Drainage Design, Preliminary Hydraulics Report, Striping Layouts, Preliminary Required ROW lines, and 3D modeling.



**95% Preliminary Plans** – will depict Updates of the 60% plans, and preliminary sequence of construction, master summary of quantities, and necessary QA/QC Checklists. This set will be used for the Plan in Hand meeting and Field Visit. Coordination with LADOTD District and Utilities and/or Railroad.

The AECOM team will also coordinate **100% Preliminary Plans** will address the comments from the 95% Preliminary Plans set, provide Final ROW lines, preliminary engineering estimate of probable cost, and any permit sketches that have been requested. Also submit for any design exceptions or waivers. This plan set may also include proposed traffic signal hardware locations and proposed signal timings. Otherwise, these traffic signal related plans could be delivered under a separate 30% Final Plan submittal fi requested.

Upon receipt of NTP for Final Plans, the AECOM team will coordinate with the LADOTD PM for any updates and set expectations for the final plans phase.

At **60% Final Plans,** the Finalized Drainage Design Plans and Hydraulic Report will be submitted. We also will provide any detailing sheets including graphical grades, joint layouts, sequencing notes, permanent signage and sign structures, guardrail layouts, other miscellaneous road design details. For projects including traffic signals, we will include wiring, list of signal work items, and any special foundation designs. We will attend the Joint Plan Review, if required, for the Final ROW Maps.

The **95% Plans** are also the set used for the Advanced Check Prints meeting. This is our opportunity to discuss any outstanding questions or observations with LADOTD staff, district personnel, or other stakeholders that are needed to finalize the plans. Design Exceptions and Design Report approvals will be complete at this stage. We will provide a constructability report, if required. If the plan checker unit chooses to review the plans, this submittal will serve as the deliverable for that review.

The **98% and 100% Final Plans** submittals will include the complete sets of plans with all outstanding comments addressed along with the final engineer's estimate of probable cost and any special provisions required for letting or construction of the project. A complete stamped and signed plan set, a stamped hydraulic report, and the final engineer's estimate will be provided.

**Stage 5: Construction Support.** Our design team will be available to attend pre-construction meeting, provide timely RFI responses, review shop drawings, and provide plan and calculation revisions as required to support questions or design changes in the field. Our team will also be available within 24-hour notice to attend any meetings needed to resolve specific field issues.



Quality Plan Reviews similar to our program management assignment for **Jefferson Parish**, we will perform detailed engineering review of construction plans, cost estimates and special provisions developed by LADOTD's Road Design Staff or by other consultants. Reviews will be performed in a timely manner to assist management of the project schedule.

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Road Design Services Supporting the Environmental Process. The AECOM team is known for their ability to serve the needs of the environmental process. Our road design team has had a long history of performing NEPA studies supporting our transportation planners and environmental professionals. Examples include three segments of I-49 South, Jimmie Davis Bridge, I-49 Connector, and the New Orleans East-West Corridor. We can provide drawings and details to support obtaining project permits and providing illustrations and technical presentation for public meetings and hearings. This can vary from simple poster boards to large scape rolls and maps, to more interactive type presentations like our virtual reality room that recently won the 2022 AASHTO Transcomm Skills Award for Marketing/ Advertising.

**Traffic Signal Design.** Daniel Helms, PE, PTOE, RSP2i will lead any traffic signal design tasks. The AECOM team has performed many traffic signal intersection improvement projects for LADOTD, Baton Rouge, Jefferson Parish, and City of New Orleans over its history. Examples include modifications to the signals in the New Orleans CBD to accommodate the Loyola Avenue and Rampart Street streetcar extensions, modifications to the traffic signal at Napoleon Avenue and Clarence Henry Truckway to support the relocation of a railroad at-grade crossing through the intersection, and the updates and restoration of the City of New Orleans signals following Hurricane Katrina.

**Transportation Management Plans.** Daniel Helms, PE, PTOE RSP<sub>21</sub> will lead the AECOM Team for the development of any Transportation Management Plan (TMP) assigned under this IDIQ contract. The AECOM team is well versed in the development of all stages of TMPs that may be required (Levels 2, 3, and 4). The Team also offers four ATSSA certified Traffic Control Supervisors, mitigate risks in the development of Traffic Control Plans and identify travel demand management strategies for implementation, as we have done for projects like on US 190, near Krotz Springs, the Crescent City Connection, and I-10 over the Atchafalaya Basin. Our expertise in NEPA projects would also provide LADOTD with a wealth of knowledge in public information and outreach strategies, which is also a key component in the development of any TMP.



**Hydraulic Analysis and Design.** AECOM proposes Sarah McEwen, PE and Sreeni Bollu, PE to perform hydraulic design and analysis. Both performed hydraulic analysis for the Mid Barataria Sediment Diversion and are overseeing tasks on the Louisiana

Watershed Initiative projects. Both frequently are asked to perfrom hydraulic

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analysis and design on projects throughout Texas, Louisiana, and Mississippi.



**Special Provisions Writeups.** Many projects require special provisions for certain items are not part of the standard list of DOTD Pay Items. All of our engineers have had experence in writing specifications and special provisions for special items used on surface transportation projects.



**Schedule.** Project schedules will be tailored to the specific project scope for each Task Order. As such, project schedule will vary based on the project type or magnitude. To show understanding, we provide a typical Road Design Project Example Schedule below

to identify major milestones and order of work. See sample project schedule below.



**Quality Plan.** The QA/QC program is an essential component of a successful project, and we are committed to this DOTD policy. AECOM will submit the QA/QC Plan within 10 days of the Notice of the Award of the project.





# Section 19

**Civil Design and Construction** Verot School Road Lafayette, LA

Delivering a better world

19. Workload				
Firm(s)	Past Performance Evaluation Discipline(s) *	State Project Number	Project Name	Remaining Unpaid Balance**
	Road, Bridge	H.004367.5	Earhart Expressway to US 61	\$215,483
	Traffic	H.004367.5	Earhart Traffic Evaluation	\$27,990
	Road, Bridge, Environmental	H.001779.2	Red River Bridge SEA	PROJECT CLOSED
	CE&I/OV	H.003570	I-220 Barksdale Quality Manager (Sub)	\$110,396
AECOM Technical		H.004273.5	I-49 Connector (Sub)	
Ser vices, inc.	Planning		Tasks 1, 5, 6, 12	\$609,535
	Traffic		Task 2	\$34,207
	Road		Task 4	\$14,923
	Bridge		Task 8	\$215,006
	Environmental		Task 10	\$545,201

Firm(s)	Past Performance Evaluation Discipline(s) *	State Project Number	Project Name	Remaining Unpaid Balance**
		H.011965.6	IWGO Bridge Rehabilitation	\$55,218
		H.011684	LA 327 Spur: Staring Lane Extension Route LA 327-S	\$50,279
		H.012072	LA 60 Drain Bridge	\$5,711
		H.014560	LA 94: Vermillion River Bridge	\$4,553
Forte & Tablada Inc	Survoy	H.014416	LA 3125 at LA 3274 Roundabout	\$60,543
		H.004273.5	DOTD I-49 Connector (Lafayette Regional Airport to I-10/ US 167 Interchange	\$149,183.69
			I-10/Loyola Additional Topo and ROW	\$43,811
			I-10/Loyola Interchange Improvements	\$0
		H.003931.5	Calcasieu River Bridge Phase 3	\$45,755

Firm(s)	Past Performance Evaluation Discipline(s) *	State Project Number	Project Name	Remaining Unpaid Balance**
Civil Design &	Curriev	4400017091/ TO-2	LWI Statewide Modeling R5 – Task Order #2	6,722
(DBE)	Survey	4400017091/ TO-3	LWI Statewide Modeling R5 – Task Order #3	227,031

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# Sections 20-23

# **FORTE & TABLADA**

US 190 (Florida St.) Streetscape and Access Management Alternatives Study (East Causeway to Jackson St.) Mandeville, LA 20. Certifications/Licenses:

If the advertisement requires submission of licenses and/or certificates, include them here. Otherwise, leave this section blank.

# **ATSSA Certification**



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# Traffic Engineering Modules

# AECOM, Greg Trahan

Certificate of Completion presented to	Certificate of Completion presented to	Certificate of Completion presented to
Gregory Trahan	Gregory Trahan	Gregory Trahan
for completing the	for completing the	for completing the
Traffic Engineering Analysis Process & Report Module 1	Traffic Engineering Analysis Process & Report Module 2	Traffic Engineering Analysis Process & Report Module 3
vare: July 16, 2018 wrafenionalvaredopment Location Batton Rouge, Louisiana Horre (PDH3) Avanled 2	Unite: July 23, 2018 Uniferent Userdopment Lection: Baton Rouge, Louisiana Houre (PDH) Anunfeel 3	wate: October 29, 2018 Professional Astrodopment Levation: Baton Rouge, Louisiana Horri (902)6, Awarded
John Alderen Juthansd Finst Contractor Instituctor	Josef Clove Autoritation Autoritation Autoritation	July Aldere Allore Autorized matrices Antibalized matrices
DOTD	DOTD	DOTD

# AECOM, Jonathan McDowell

Certificate of Completion	Certificate of Completion	Certificate of Completion
Jonathan McDowell	Jonathan McDowell	Jonathan McDowell
for completing the	for completing the	for completing the
Traffic Engineering Analysis Process & Report Module 1	Traffic Engineering Analysis Process & Report Module 2	Traffic Engineering Analysis Process & Report Module 3
Nate: September 5, 2018 Professional Theredoppress Location: Bation Rouge, Louisiana, Hours (POPHs) Atuatede 2	Dute: September 17. 2018 Professional Development Location: Baton Rouge, Louisiana Hour (PDH) Insurfed. 3	Date. October 15, 2018 Professional Development Location. Baton Rouge, Louisiana Hours (PDH2) Awarded.
Authorites marcas Automica Sustaines	Juli Aldren Autorior Autorior Autorior Autorior	Alle Aldere Antherent Antherent antherent Tenteret
DOTD	DOTD	DOTD
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# **Traffic Engineering Modules**

# AECOM, Daniel Helms

Certificate of Completion	Certificate of Completion	Certificate of Completion
Daniel Helms	Daniel Helms	Daniel Helms
for completing the	for completing the	for completing the
Traffic Engineering Analysis Process & Report Module J	Traffic Engineering Analysis Process & Report Module 2	Traffic Engineering Analysis Process & Report Module 3
Date: July 16, 2018 Professional Development Location: Baton Ronge, Louisiana Hora (PDHs) Avanded 2	Date: July 23, 2018 Professional Development Location: Baton Rougo, Louissiana Hourt (POH6) Awardol. 3	Dute: October 15, 2018 Professional Development Location: Baton Rouge, Louisiana Work (1971s; Prevailed:
John Aldere Autorized instructor Autorized instructor	Asty Aldere Automator Automator Automator	Joby Allore Automation Julional Mathematica
DOTD	DOID	DOTD

# Daniel Helms PTOE certificate

# Kordel Braley Certificates





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# **TEPR Certificates**

# Ramya Krishna Rayapureddy Certificates



# **Carlos Duran Certificates**

Certificate of Completion	Certificate of Con	Certificate of Completion		Certificate of Completion	
Carlos Duran	Carlos Duran	Carlos Duran		Carlos Duran	
for completing the	for completing the		for completing the		
Traffic Engineering Analysis Process & Repor Module 1	Traffic Engineering Analysis P Module 2	rocess & Report	Traffic Engineering Analysis Process & Report Module 3		
Date: March 29, 2022 Professional Dev   Location: Baton Rouge, Louisiana Hours (POHs)A	ent Date: March 29, 2022 df: 3 <i>Location:</i> Baton Rouge, Louisiana	Professional Development Hours (PDHs) Awarded: 3	Date: March 30, 2022 Location: Baton Rouge, Louisiana	Professional Development Hours (PDHs) Awarded:	
B89 Jun Ht Q.E.T.Du	c B301 /4	Joh of Sumula	B891 April	Joh 7 Bunch	
Authorized Instructor Authorized Instructor Authorized	ctor Authorized Instructor Authorized Instructor	r Authorized instructor	Authorized Instructor Authorized Inst	ructor Authorized instructo	

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# Philip Utubor Rayapureddy Certificates

Certificate of Completion		Certificate of Completion		Certificate of Completion	
Philip Utubor Philip Utubor		r	Philip Utubor		
for completing the		for completing the		for completing the	
Traffic Engineering Analysis Pro Module 1	ocess & Report	Traffic Engineering Analysis Module 2	Process & Report	Traffic Engineering Analysis Process & Report Module 3	
Date: March 29, 2022 Location: Baton Rouge, Louisiana	Professional Development Hours (PDHs) Awarded: 3	Date: March 29, 2022 Location: Baton Rouge, Louisiana	Professional Development Hours (PDHs) Awarded: 3	Date: March 30, 2022 Location: Baton Rouge, Louisiana	Professional Development Hours (PDHs) Awarded:
B291 April 4	all of Burnels	BSQ - An Ht	ach of Sumula	B891	A Que y Burnels

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21. QA/QC Plan and/or Work Plan:

If the advertisement requires submission of a QA/QC plan or Work plan, include them here. Otherwise, leave this section blank.

Section left intentionally blank.

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22. Subconsultant information								
			1					
Firm Name (as registered with Louisiana's Secretary of State)	Address	Point of Contact and Email Address	Phone Number					
Forte & Tablada, Inc.	9107 Interline Ave., Baton Rouge, LA 70809	Russell "Joey" Coco, Jr. jcoco@forteandtablada.com	225.927.9321					
Civil Design & Construction, Inc.	PO Box 857, Port Allen, LA 70767/3251 Southern Pacific Rd.	Karla E. Weston, PE kweston@cdcbr.com	225.765.1802					

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23. Location:

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank.

Section left intentionally blank.

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### About AECOM

AECOM is the world's trusted infrastructure consulting firm, delivering professional services throughout the project lifecycle – from planning, design and engineering to program and construction management. On projects spanning transportation, buildings, water, new energy and the environment, our public- and private-sector clients trust us to solve their most complex challenges. Our teams are driven by a common purpose to deliver a better world through our unrivaled technical expertise and innovation, a culture of equity, diversity and inclusion, and a commitment to environmental, social and governance priorities. AECOM is a Fortune 500 firm and its Professional Services business had revenue of \$13.3 billion in fiscal year 2021. See how we are delivering sustainable legacies for generations to come at aecom.com and @AECOM.



